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STATE TEACHERS COLLEGE

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Boone, North Carolina

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APPALACHIAN STUDENTS ARE BUSY AND HAPPY.

BULLETIN OF

APPALACHIAN STATE
TEACHERS COLLEGE

CATALOG NUMBER

Announcements for
1963 - 1964



BOONE, NORTH CAROLINA

WHOM TO WRITE

For further information, inquiries may be addressed to the appropriate office at Appalachian State Teachers College, Boone, North Carolina.

General Information and College Policy	<i>President</i>
Admissions, Catalogs, Records, Transcripts of Credits	<i>Registrar</i>
Business Affairs, Finances, and Veterans' Affairs	<i>Vice-President and Comptroller</i>
Academic Matters, Public Events, Student Welfare	<i>Dean of the College</i>
Faculty Appointments and Instruction	<i>Dean of Instruction</i>
Graduate Studies	<i>Director of Graduate Studies</i>
Summer Sessions	<i>Director of Summer Sessions</i>
Foundations, "Heartline," Public Relations	<i>Director of Public Relations</i>
Teacher Placement	<i>Director of Placement</i>
Student Aid	<i>Committee on Student Scholarships and Financial Aid</i>

OFFICE HOURS

Administrative offices are open daily from 8:00 to 12:00 noon and 1:00 to 5:00 p.m. Monday through Friday, and from 8:00 to 12:00 noon on Saturday, except on legal holidays. The college telephone number is 264-8875.

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MAY							JUNE							JULY							AUGUST						
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								31																			

COLLEGE CALENDAR 1963-1964

Fall Quarter 1963

Official opening, first Faculty meeting, 9:00 a.m., Tuesday.....	September 3
Dormitories open for freshmen, 10:00 a.m., Tuesday.....	September 3
First meal in Cafeteria, 12:00 noon, Tuesday.....	September 3
Freshman orientation program begins, Physical Education Building, 8:30 a.m., Wednesday.....	September 4
Freshman test and registration schedule to be announced, Wednesday	September 4
Dormitories open for transfer students, 2:00 p.m., Friday.....	September 6
Transfer orientation, Auditorium, 9:00 a.m., Saturday.....	September 7
Dormitories open for upperclassmen, 10:00 a.m., Sunday.....	September 8
Freshman classes begin, 8:00 a.m., Monday.....	September 9
Upperclass and graduate student registration, 8:30-5:00, Monday.....	September 9
Upperclass classes begin 8:00 a.m., Tuesday.....	September 10
Convocation, Physical Education Building, 10:00 a.m., Friday.....	September 13
Registration closes; classes must be met on Monday.....	September 16
Meeting of students expecting to do student teaching Winter quarter, Elementary School Auditorium, 4:15 p.m., Wednesday	September 18
National Teacher Examination, Saturday.....	October 5
Mid-term	October 15
Homecoming, Saturday.....	October 26
Meeting of students expecting to do student teaching 1964-65 Elementary School Auditorium, 4:15 p.m., Wednesday.....	November 6
Graduate Record Examination, Saturday.....	November 16
Classes meet as scheduled until 12:00, noon, Thursday.....	November 21
Last day for filing applications for student teaching, 1964-65, 4:00 p.m., Tuesday.....	November 26
Final Examinations.....	November 21 (2:00 p.m.), 22, 23, 25, 26, 27
Fall quarter closes, 12:30 p.m., Wednesday.....	November 27
Thanksgiving Holidays.....	November 27-December 2

Winter Quarter 1963-1964

Registration, 8:30-5:00, Tuesday.....	December 3
Classes begin 8:00 a.m., Wednesday.....	December 4
Registration closes; classes must be met on Tuesday.....	December 10
Convocation, Physical Education Building, 10:00 a.m., Tuesday.....	December 17
Christmas holidays begin, 12:00 noon, Wednesday.....	December 18
Classes resume, 8:00 a.m., Friday.....	January 3
Meeting of students expecting to do student teaching Spring quarter, Elementary School Auditorium, 4:15 p.m., Wednesday	January 8
Mid-term	January 22
Classes meet as scheduled until 12:00 noon, Thursday.....	February 27
Final examinations.....	Thursday, February 27 (2:00 p.m.), 28, 29, March 2, 3, 4
Winter quarter closes 12:30 p.m., Wednesday	March 4
4 p.m. Thursday	March 5

Spring Quarter 1964

Registration, 8:30-5:00, Monday ^{Tuesday}	March ¹⁰ 9
Classes begin, 8:00 a.m., Tuesday.....	March 10
Registration closes; classes must be met on Monday.....	March 16
Meeting of students expecting to do student teaching Fall quarter, Elementary School Auditorium, 4:15 p.m., Wednesday.....	March 25
Easter holidays begin, 4:00 p.m., Thursday.....	March 26
Classes resume, 8:00 a.m., Wednesday ^{Tuesday}	April 1 ^{March 31}
Mid-term	April 16
Spring Festival.....	May 1-2
Convocation, Physical Education Building, 10:00 a.m., Wednesday.....	May 6
Classes meet as scheduled until 12:00 noon, Thursday.....	May 21
Final examinations.....	Thursday, May 21 (2:00 p.m.), 22, 23, 25, 26, 27
Spring quarter closes 12:30, Wednesday.....	May 27
Commencement exercises, 10:30 a.m., Friday.....	May 29

Summer Session 1964

First Term, Tuesday.....	June 9-July 17
Second Term.....	July 20-August 21
Summer commencement, 7:00 p.m., Friday.....	August 21

PERSONNEL

Board of Trustees

WILLIAM J. CONRAD, <i>Chairman</i>	Winston-Salem
KIDD BREWER, <i>Vice-Chairman</i>	Raleigh
CLAUDE C. ARMFIELD, JR.	Lenoir
B. C. BROCK	Mocksville
MRS. J. ED. BROYHILL	Lenoir
GEORGE CORN	Shelby
JOHN FRANK	Mount Airy
J. B. HAGAMAN, JR.	Boone
E. G. LACKEY	Winston-Salem
WILLIAM B. RANKIN	Lincolnton
WAYNE H. SHOAF	Lexington
W. R. WINKLER, SR.	Boone

The President of the College serves as Secretary to the Board of Trustees and its Committees.

Executive Committee: W. R. WINKLER, SR., *Chairman*, WILLIAM B. RANKIN, GEORGE CORN, JOHN FRANK, J. B. HAGAMAN, JR.

Administrative Officers

WILLIAM HOWARD PLEMMONS, A.B., A.M., Ph.D., LL.D. (1955)	<i>President</i>
JAMES DANIEL RANKIN, A.B., A.M., D.S.T.D. (1921)	<i>President Emeritus</i>
DAVID BARNARD DOUGHERTY, B.S. (1929)	<i>Vice-President and Comptroller</i>
DANIEL JAY WHITENER, A.B., M.A., Ph.D. (1932)	<i>Dean of the College</i>
HERMAN ROLAND EGGERS, A.B., M.A. (1929)	<i>Registrar</i>
JOHN FALLAW BOZARD, B.A., M.A., Ph.D. (1957)	<i>Dean of Instruction</i>
CRATIS DEARL WILLIAMS, A.B., M.A., Ph.D. (1942)	<i>Director of Graduate Studies</i>
JAMES EDGAR STONE, B.S., M.S., Ed.D. (1954)	<i>Director of Summer Sessions and Extension</i>
MAXIE GREENE EDMISTEN, B.S., M.A. (1956)	<i>Dean of Women</i>
ROBERT LOGAN BREITENSTEIN, B.Ed. (1961)	<i>Dean of Men</i>
WILLIAM LEONARD EURY, A.B., B.S. in L.S., M.S. in L.S. (1929)	<i>Librarian</i>
ROBERT TRAWICK ALLEN, JR., A.B. (1960)	<i>Director of Foundations, Public Relations and News Bureau</i>
JAMES BRAXTON HARRIS, A.B., M.A., Ed.D. (1958)	<i>Assistant Registrar</i>

Faculty Councils

The President, Vice-President and Comptroller, and Dean of the College are members, ex-officio, of all Faculty Councils and Committees.

The first name on a council or committee designates the chairman.

Administrative: W. H. Plemmons, R. T. Allen, Jr., J. F. Bozard, D. B. Dougherty, H. R. Eggers, J. D. Rankin, James E. Stone, D. J. Whitener, Cratis D. Williams.

Graduate: Cratis D. Williams, J. F. Bozard, F. Ray Derrick, G. P. Eggers, H. R. Eggers, W. E. Fulmer, J. E. Harrill, Ben H. Horton, Jr., Isabel Jones, Ila T. Justice, Uberto Price, John A. Pritchett, Lee F. Reynolds, David A. Rigsby, O. Paul Sanders, W. G. Sink, W. G. Spencer, James E. Stone, O. R. Sutton,* M. L. Walters, J. C. Yoder.

School: W. H. Plemmons, D. J. Whitener (vice-chairman), Robert Breitenstein, Maxie G. Edmisten, H. R. Eggers, Francis Hoover, Eloise C. Melton. Also, five senior representatives from the Student Council, including the President of the Student Body.

Summer Session: James E. Stone, Roy R. Blanton, Jr., J. F. Bozard, F. R. Derrick, Ben H. Horton, Jr., John T. Howell, Eunice Query, W. G. Spencer, R. W. Watkins, Cratis D. Williams, J. C. Yoder.

Faculty Committees

Admissions: H. R. Eggers, R. L. Breitenstein, M. Edmisten, J. B. Harris, U. Foster Park,* J. Frank Randall, James E. Stone.

Appalachian School Camp, Incorporated: Membership on this committee is determined by the charter of the camp, as follows: Principal, Appalachian High School; one other member of the high school faculty to be appointed by the principal; Superintendent, Watauga County Schools, Chairman, Boone School District Committee; and the following from Appalachian State Teachers College: Vice-President and Comptroller, heads of departments of biology, health and physical education, music, director of student teaching, director of graduate studies, and two appointed by the President.

Artists and Lecture Series: Rogers Whitener, Francis Cook, Howard S. Decker,* Edwin Dougherty, Daisy Eggers, David French, Charles L. Isley, Jr., W. G. Sink, Ina W. Van Noppen, Mary Jo Walkup, Cratis D. Williams. Also, a representative from the Student Council, a student representative from each class, a representative from Chi Lambda Chi, and a representative from The Playcrafters.

Assembly: John G. Barden, J. Paul Bagley, Eric DeGroat, J. Max Dixon, Elizabeth Fox, John A. Pritchett, Jr., R. L. Randall, and two students each from freshman, sophomore, junior, and senior classes.

Athletics: Leo K. Pritchett, Walton Cole, W. E. Fulmer, W. G. Sink, Roger Thomas.

Awards for Advanced Graduate and Professional Study: Cratis D. Williams, R. T. Allen, Jr., I. W. Carpenter, Jr., Edward H. Gibson, III, Ina Van Noppen, John Van Noppen, III.

College Publications: J. R. Melton, J. F. Bozard, John Corey, Howard S. Decker,* Isabel Jones, James E. Stone, Ina W. Van Noppen.

Curriculum: J. F. Bozard, Mary Brown Allgood, Howard S. Decker,* F. R. Derrick, G. P. Eggers, H. R. Eggers, W. L. Eury, Ben H. Horton, Jr., Ila T. Justice, J. Roy Prince, O. Paul Sanders, W. G. Sink, Catherine Smith, W. G. Spencer, James E. Stone, O. R. Sutton,* M. L. Walters, Cratis D. Williams, J. C. Yoder.

* Leave of absence, 1962-63.

Library: W. F. Smith, Beulah Campbell, Nicholas Erneston, W. L. Eury, Edward H. Gibson, III, Walter Hawkinson, D. R. Hodgin, Ila T. Justice, Uberto Price, J. Frank Randall, David Rigsby, Kathryn Tully, M. L. Walters, Vivian Welborn.

Orientation and Counseling: J. Paul Bagley, J. E. Harrill, Rena Hoover, J. B. Harris, David French, Uberto Price, Lee Reynolds.

Readmissions and Academic Discipline: D. J. Whitener, Robert Breitenstein, Maxie G. Edmisten, H. R. Eggers, Francis Hoover, Eloise C. Melton.

Registration: H. R. Eggers, J. Paul Bagley, J. F. Bozard, F. R. Derrick, G. P. Eggers, J. E. Harrill, J. B. Harris, James E. Stone, Ned Trivett, Cratis D. Williams.

Schedules: J. C. Yoder, J. F. Bozard, G. T. Buckland, Grace M. Council, J. B. Harris, Carl Meeks, Lee Reynolds.

Student Publications: Cratis D. Williams, Ruby Akers, Maxie G. Edmisten, Howard S. Decker,* J. F. Jones, Rogers Whitener, the President of the Student Council, Editor and Business Manager of The Appalachian, Editor and Business Manager of the Rhododendron.

Student Scholarships and Financial Aid: D. B. Dougherty, Howard Cottrell, Maxie G. Edmisten, H. R. Eggers, W. L. Eury, Allie Hodgin, John Welborn.

Student Social Affairs: J. Max Dixon, Mary B. Allgood, J. P. Bagley, Ronnie Brooks, Robert Breitenstein, Howard Decker,* Eric DeGroat, Maxie G. Edmisten, Elizabeth Fox, J. E. Harrill, Martha Hawkinson, Rena Hoover, Roger Thomas, the President of the Student Council, President of Chi Lambda Chi, Presidents of Freshman, Sophomore, Junior, and Senior classes, President of Women's House Council, President of Newland Hall, President of Justice Hall, Editor or representative of The Appalachian.

Student Teaching and Placement: Ben H. Horton, Jr., Ruby Akers, Roy R. Blanton, Jr., G. T. Buckland, W. E. Fulmer, John T. Howell, J. Roy Prince, Robert Randall, O. R. Sutton,* M. L. Walters.

Safety and Prevention: Starr Stacy, Robert Breitenstein, Ronnie Brooks, Howard Cottrell, R. W. Watkins, four student representatives to be appointed upon recommendation of the Student Council.

The Faculty

With the exception of the President the members of the faculty are listed alphabetically with the year of appointment given after each name.

WILLIAM HOWARD PLEMMONS (1955) *President*
A.B., LL.D., Wake Forest College; A.M., Duke University; Ph.D., University of North Carolina.

RUBY LAVELLE AKERS (1960) *Assistant Professor of English*
A.B., Mary Hardin-Baylor College; M.A., Appalachian State Teachers College.

MOHAMMED ADNAN ALAMUDDEEN (1960) *Assistant Professor of Biology*
B.S., University of Illinois; M.S., University of Cairo; Ph.D., Virginia Polytechnic Institute.

JOANNE BRANNON ALDRIDGE (1962) *Instructor in English*
B.S., Appalachian State Teachers College; two years of graduate study, University of North Carolina.

MARY BROWN ALLGOOD (1961) *Professor and Chairman of the Department of Home Economics*
B.S., Madison College; M.S., Iowa State University.

* Leave of absence, 1962-63.

- DOROTHY ANN ATWELL (1962)*Instructor in Music*
B.M., Mississippi State College for Women; M.A., Teachers College, Columbia University.
- GELENE ANDREWS ATWOOD (1956)*Instructor in Chemistry*
A.B., Woman's College of the University of North Carolina.
- JOHN PAUL BAGLEY (1959)*Assistant Professor of Education and*
Assistant Director of Student Personnel Services
B.S., University of Tampa; M.A., Appalachian State Teachers College.
- JOHN GLENN BARDEN (1944)*Professor of Education*
A.B., University of North Carolina; A.M., Teachers College, Columbia University; Ph.D., Columbia University.
- HERMAN STEPHEN BEKEMEYER (1962)*Instructor in Music*
B.M.E., M.M.E., Florida State University.
- ANNIE MAE BLACKBURN (1956)*Instructor in Business Education*
B.S., M.A., Appalachian State Teachers College.
- ELLIS GREY BOATMON (1961)*Assistant Professor of History*
A.B., Mississippi Southern College; M.A., University of South Carolina; Ph.D. Candidate, University of South Carolina.
- BEN GESS BOSWORTH, JR. (1960) *Assistant Professor of Education*
B.S.Ed., M.A., Ed.D., University of Virginia.
- JOHN FALLAW BOZARD (1957)*Professor of English and Dean of Instruction*
B.A., Furman University; M.A., University of Virginia; Ph.D., Cornell University.
- ROBERT LOGAN BREITENSTEIN (1961)*Dean of Men and Assistant Coach of Football*
B.Ed., University of Cincinnati.
- RONNY LEONARD BROOKS (1957)*Director of Recreation and Men's Intramurals*
B.S., North Carolina State College.
- JOSEPH EUGENE BRYSON (1960)*Assistant Professor of Education*
A.B., Elon College; M.Ed., Woman's College of the University of North Carolina; Ed.D., Duke University.
- GOLDEN THADDEUS BUCKLAND (1949)*Professor of Mathematics*
B.S., M.A., Appalachian State Teachers College; D.Ed., The Pennsylvania State University.
- HELEN BURCH (1942)*Professor of Geography*
A.B., Woman's College of the University of North Carolina; M.A., George Peabody College for Teachers.
- ALMA LEE BURKETT (1961)*Instructor in English*
B.S., M.A., Appalachian State Teachers College.
- ROBERT EUGENE CALVERT (1962)*Instructor in Political Science*
A.B., University of California; Ph.D. Candidate, Harvard University.
- BEULAH CAMPBELL (1957)*Associate Professor of Education*
A.B., M.A., Western Kentucky State Teachers College.
- CLEON CAPSAS (1962)*Assistant Professor of Foreign Languages*
B.A., George Peabody College for Teachers; M.A., Ph.D. Candidate, University of New Mexico.
- IRVIN WATSON CARPENTER, JR. (1953)*Associate Professor of Biology*
B.S., M.S., Ph.D., Purdue University.
- JESSIE LUELLA CARPENTER (1954)*Assistant Professor of Speech*
A.B., DePauw University; M.S., Purdue University.

- WALTON SMITH COLE (1951) *Associate Professor of Music*
B.A., Southwestern at Memphis; M.M., University of Arizona.
- FRANCIS CONNOR COOK (1952) *Associate Professor of English*
B.A., M.A., University of Texas.
- JOHN FARIS COREY (1958) *Assistant Professor of Education and Executive
Secretary of the Alumni Association*
B.S., M.A., Appalachian State Teachers College.
- GRACE MCNINCH COUNCILL (1956) *Associate Professor of Education*
B.S., Appalachian State Teachers College; M.A., University of North Carolina.
- HOWARD SEELEY DECKER* (1959) *Professor and Chairman of the Department
of Industrial Arts*
B.S., M.S., State University of New York; M.A., Ed.D., Teachers College,
Columbia University.
- ERIC BROOKS DEGROAT (1959) *Assistant Professor of Physical Education*
B.S., Springfield College; M.A., New York University.
- ALFRED MAXEY DENTON, JR. (1962) *Associate Professor of Sociology*
B.S., Oklahoma A. and M.; M.A., Ph.D., University of North Carolina.
- MARY EVANS DENTON (1961) *Associate Professor of Biology*
B.S., Georgia State College for Women; M.S., Vanderbilt University.
- FINNIS RAY DERRICK (1946) *Professor and Chairman of the Department of Biology*
B.S., M.S., Ph.D., University of South Carolina.
- JEFFERSON MAX DIXON (1956) *Associate Professor of History*
A.B., M.A., Emory University; Ph.D., George Peabody College for Teachers.
- EDWIN SHULL DOUGHERTY (1938) *Professor of History*
B.S., Appalachian State Teachers College; M.A., George Peabody College
for Teachers.
- EUGENE CHRISTOPHER DROZDOWSKI (1961) *Assistant Professor of History*
B.A., Alfred University; M.A., Duke University; Ph.D. Candidate, Duke
University.
- JAMES HAMPTON DUNCAN (1959) *Instructor in Physical Education and
Coach of Football*
B.S., Wake Forest College.
- DAISY WILLIAMS EGGERS (1954) *Assistant Professor of English*
B.S., M.A., Appalachian State Teachers College.
- GRAYDON POE EGGERS (1927) *Professor and Chairman of the Department of English*
B.A., Carson-Newman College; A.M., Ph.D., Duke University.
- HERMAN ROLAND EGGERS (1929) *Professor of Social Studies and Registrar*
A.B., Carson-Newman College; M.A., George Peabody College for Teachers.
- TERRY ELMER EPPERSON, JR. (1962) *Associate Professor of Geography*
B.S., East Tennessee State College; M.S., University of Kentucky; Ph.D.,
University of Tennessee.
- NICHOLAS ERNESTON (1948) *Associate Professor of Music*
B.M.Ed., Shenandoah Conservatory; M.M., Cincinnati Conservatory of
Music; Ph.D., Florida State University.
- ROBERT HOYLE FALLS (1962) *Instructor in Geography*
B.A., University of Miami; M.S., University of Chicago.

* Leave of absence, 1962-64.

- ELIZABETH FOX (1957) *Assistant Professor of Music*
B.M., M.M. Ed., North Texas State College.
- DAVID ARTHUR FRENCH (1959) *Assistant Professor of Speech*
B.S., Kansas State Teachers College; M.F.A., Yale University.
- FRANCES STONE FULMER (1961) *Instructor in Mathematics*
A.B., Winthrop College; M.A., Appalachian State Teachers College.
- WILLIAM EDMUND FULMER (1955) *Associate Professor of Education*
A.B., Catawba College; Ed.M., University of South Carolina; Ed.D., University of Missouri.
- EDWARD HIRAM GIBSON, III (1959) *Professor of History*
A.B., M.A., Ph.D., University of North Carolina.
- RICHARD NORWOOD GURLEY (1961) *Instructor in Physics*
B.Ch.E., M.S., North Carolina State College.
- CARL F. HAENSELMAN (1961) *Assistant Professor of Music*
B.Mus.Ed., M.Mus., University of Colorado; Ph.D. Candidate, Indiana University.
- CHRISTY HALE (1962) *Associate Professor of Education*
B.S., M.S., Eastern Montana College; Ed.D., University of Wyoming.
- RACHEL FINDLEY HANSON (1962) *Instructor in Home Economics*
B.S., Baldwin-Wallace College; M.S., Pennsylvania State University.
- JAMES EDWARD HARRILL (1961) *Assistant Professor of Education and Director
of Student Personnel Services*
A.B., Berea College; M.A., George Peabody College for Teachers; Ph.D., University of North Carolina.
- JAMES BRAXTON HARRIS (1958) *Assistant Professor of Education and
Assistant Registrar*
A.B., Lenoir Rhyne College; M.A., Appalachian State Teachers College; Ed.D., Indiana University.
- MARTHA GREY HAWKINSON (1955) *Assistant Professor of Business Education*
B.A., B.S.S.A., Queens College; M.A., Appalachian State Teachers College.
- WALTER AXEL HAWKINSON (1945) *Associate Professor of Mathematics*
B.S., Washington and Jefferson College; M.A., Appalachian State Teachers College.
- CLEONE HAYNES HODGES (1938) *Associate Professor of Health and Physical
Education*
A.B., Northwestern State College; M.S., Louisiana State University.
- DAVID REID HODGIN (1946) *Associate Professor of English*
A.B., A.M., University of North Carolina.
- FRANCIS LENTZ HOOVER (1945) *Professor of Health and Physical Education*
B.S., Appalachian State Teachers College; M.A., University of North Carolina; Dir.P.E., D.P.E., Indiana University.
- RENA CALDWELL HOOVER (1955) *Assistant Professor of History*
A.B., Coker College; M.A., Appalachian State Teachers College.
- BEN HASKEL HORTON, JR. (1950) *Professor and Chairman of the Department
of Education*
B.S., M.A., Appalachian State Teachers College; Ed.D., Florida State University.
- EARNY PIERRE HOTARD, JR. (1959) *Instructor in Music*
B.M., Louisiana State University; M.M., Indiana University.

- CHARLES LEE ISLEY, JR. (1958) *Associate Professor of Music*
B.S., Davidson College; M.A., Appalachian State Teachers College.
- JAMES EDWIN JOHNSON (1962) *Associate Professor of Chemistry*
B.S., Emory and Henry College; M.S., Ph.D., Virginia Polytechnic Institute.
- JOHNNY RAY JOHNSON (1962) *Associate Professor of Mathematics*
B.S., Louisiana Polytechnic Institute; M.S., Ph.D., Auburn University.
- ISABEL FLEMING JONES (1953) *Associate Professor of Education*
B.S.Ed., M.Ed., Ed.D., University of Virginia.
- JAMES FREDERICK JONES (1956) *Assistant Professor of Business Education*
and Business Manager of Athletics
A.B., Elon College; M.A., East Carolina College.
- ILA TAYLOR JUSTICE (1949) *Associate Professor and Chairman of the*
Department of Library Science
A.B., Berea College; B.S. in L.S., M.S. in L.S., George Peabody College for Teachers.
- JOHN MITCHELL JUSTICE (1946) *Associate Professor of History*
A.B., A.M., University of North Carolina.
- GEORGE WILLIAM KIRSTEN, JR. (1962) *Part-time Instructor in Music*
A.B., Lenoir Rhyne College; M.A., Appalachian State Teachers College.
- JAMES DANIEL LACEY (1962) *Assistant Professor of Education*
B.S., Central Missouri State; M.Ed., Ed.D., University of Miami.
- ROBERT GEORGE LIGHT (1957) *Assistant Professor of Physical Education*
and Coach of Basketball
B.S., M.S., Washington University.
- VIRGINIA WARY LINNEY (1929) *Professor of Music*
B.M., University of Nebraska; M.M., Cincinnati Conservatory of Music.
- JOHN PENDER MACBRYDE (1962) *Assistant Professor of English*
A.B., Davidson College; M.A., two years further study, University of North Carolina.
- ARNOLD DAVID McENTIRE (1962) *Instructor in Mathematics*
B.S., M.A., Appalachian State Teachers College.
- BETTY RUTH McFARLAND (1962) *Instructor in English*
B.S., and one year of graduate study, Appalachian State Teachers College.
- ROBERT BAYNARD McFARLAND (1961) *Instructor in Education*
B.S., M.A., Appalachian State Teachers College.
- WILLIAM MACAS (1962) *Assistant Professor of Foreign Languages*
A.B., College of William and Mary; M.A., Ph.D. Candidate, University of New Mexico.
- CARL GARNETT MEEKS (1958) *Associate Professor of Physical Education*
B.S., East Tennessee State College; M.A., University of Mississippi; Ed.D., Columbia University.
- ELOISE CAMP MELTON (1944) *Instructor in History*
A.B., East Carolina College; M.A., George Peabody College for Teachers.
- JACK ROBERT MELTON (1950) *Professor of Education*
A.B., A.M., Duke University; Ph.D., University of North Carolina.
- CECIL JANE MEREDITH (1961) *Instructor in Health and Physical Education*
B.S., University of Houston; M.A., Appalachian State Teachers College.

- WILLIAM DEAN MEREDITH (1962) *Assistant Professor of Education*
A.B., Lynchburg College; M.Ed., University of Virginia.
- CARL JOHN MESSERE (1962) *Instructor in Social Studies*
B.S., M.A., Appalachian State Teachers College.
- FRANK ALBERT MEYER (1961) *Assistant Professor of Physical Education*
and *Coach of Wrestling*
B.S., University of Nebraska; M.S., University of Colorado.
- GEORGE BENJAMIN MILES (1961) *Assistant Professor of Chemistry*
B.S., Ph.D., University of Tennessee.
- ANN MACKIE MOORE (1961) *Instructor in Art*
B.F.A., Richmond Professional Institute; M.Ed., University of Virginia.
- MARCUS B. MOREHEAD (1962) *Instructor in Geology*
B.S., University of Georgia; Ph.D. Candidate, University of North Carolina.
- ROBERT HENRY NEWALL (1962) *Assistant Professor of English*
B.A., M.A., University of Pennsylvania.
- CLYDE CHARLES OWEN (1962) *Associate Professor of Industrial Arts*
B.S., M.S., one year further study, Texas College of Arts and Industries.
- ULNA FOSTER PARK* (1958) *Assistant Professor of English*
A.B., Duke University; M.A., University of Tennessee; Ph.D. Candidate,
University of Wisconsin.
- MALCOM OVERSTREET PARTIN (1962) *Instructor in History*
A.B., University of North Carolina; Ph.D. Candidate, Duke University.
- PAUL BRYAN PATTERSON (1962) *Professor of Mathematics*
B.S., Colgate University; M.A., Ph.D., University of Florida.
- UBERTO PRICE (1955) *Professor of Education and Director of Reading*
B.S., Eastern Kentucky State College; M.A., Western Kentucky State College.
- JAMES ROY PRINCE (1960) *Professor and Chairman of the Department of*
Foreign Languages
B.A., University of South Carolina; M.A., Ph.D., University of North
Carolina.
- JOHN ALFRED PRITCHETT, JR. (1956) *Associate Professor of Education*
and *Director of Audio-Visual Center*
A.B., M.A., George Peabody College for Teachers.
- LEO KLUTTZ PRITCHETT (1947) *Professor of History*
A.B., Davidson College; M.Ed., Duke University.
- MARY EUNICE QUERY (1947) *Associate Professor of Library Science*
A.B., Duke University; A.B. in L.S., University of North Carolina; M.A.,
Appalachian State Teachers College.
- BEATRIX BLANTON RAMEY (1958) *Assistant Professor of Education*
B.S., Appalachian State Teachers College; M.A., University of North Caro-
lina.
- JOHN FRANK RANDALL (1957) *Associate Professor of Biology*
A.B., University of North Carolina; M.S., University of Michigan; Ph.D.,
University of South Carolina.
- ROBERT LEE RANDALL (1960) *Assistant Professor of Education and Director of*
Placement
B.S., East Tennessee State College; M.A., University of North Carolina;
C.A.S., Harvard University.

* Leave of absence, 1962-63.

- LEE FRANCIS REYNOLDS (1946)*Professor of Education*
B.S., M.A., Ball State Teachers College; Ed.D., Indiana University.
- MADGE MOZELLE RHYNE (1947)*Associate Professor of Home Economics*
B.S., M.S., Woman's College of the University of North Carolina.
- DAVID ANDREWS RIGSBY (1961)*Associate Professor and Acting Chairman of the*
Department of Industrial Arts
B.S., Western Kentucky State; M.S., University of Kentucky.
- JANE MARGARET RINER (1956)*Assistant Professor of Business Education*
B.S., M.A., Appalachian State Teachers College.
- JANICE MARIE ROBERTSON (1961)*Instructor in Home Economics*
B.S., Woman's College of the University of North Carolina.
- KENT ROBINSON (1956)*Assistant Professor of Biology and General Science*
B.S., M.A., Appalachian State Teachers College; Ph.D. Candidate,
Ohio State University.
- HOWARD JAMES RYAN (1961)*Assistant Professor of History*
A.B., University of Nebraska; M.A., Mexico City College; Ph.D. Candidate,
University of Chicago.
- WILLIAM HOYT SAFRIT (1950)*Assistant Professor of Music*
B.S., M.A., Appalachian State Teachers College.
- OLIVER PAUL SANDERS (1962)*Professor and Chairman of the Department*
of Mathematics
B.A., Southeastern State College; M.S., Ph.D., Oklahoma State University.
- ORLAN LESTER SAWEY (1962)*Professor of English*
B.S., Texas College of Arts and Industries; M.A., Ph.D., University of Texas.
- JAMES MARLOWE SAWYER (1961)*Instructor in Education*
B.S., M.A., Appalachian State Teachers College.
- CHARLES EUGENE SCRUGGS (1962)*Instructor in Foreign Languages*
A.B., Transylvania College; M.A., University of Kentucky.
- NOLLIE WILBOURNE SHELTON (1959)*Associate Professor of Education*
B.S., College of William and Mary; M.A., University of North Carolina.
- LORIS SHIPMAN (1946)*Professor of English*
B.A., Meridian College; B.S., M.A., George Peabody College for Teachers.
- WOODFORD GRADY SINK (1959)*Professor and Chairman of the Department*
of Chemistry
A.B., Catawba College; Ph.D., University of North Carolina.
- CATHERINE JEANETTE SMITH (1941)*Associate Professor and Chairman*
of Department of Art
B.S., M.A.Ed., Oklahoma University.
- WILEY FRANCIS SMITH (1936)*Professor of Psychology*
A.B., Union University; M.A., Ph.D., George Peabody College for Teachers.
- WILLIAM GILBERT SPENCER (1951)*Associate Professor and Chairman of the*
Department of Music
B.M.Ed., Northwestern University; M.A., Ed.D., Columbia University.
- STARR NEELY STACY, JR. (1935)*Professor of Mathematics*
B.S., Appalachian State Teachers College; M.A., George Peabody College
for Teachers.
- EMMETT RAY STAPLETON (1962)*Assistant Professor of Economics*
B.A., Harding College, M.Com.Ed., Ed.D., University of Oklahoma.

- FRANK RICHARD STECKEL (1962)*Associate Professor of Industrial Arts*
B.S., M.S., University of North Dakota.
- JAMES EDGAR STONE (1954)*Associate Professor of Education and Director*
of Summer Sessions and Extension
B.S., M.S., Western Illinois State College; Ed.D., University of Illinois.
- BENJAMIN FRANKLIN STRICKLAND (1962)*Assistant Professor of Education*
B.S., Wake Forest College; M.Ed., Ed.D., University of North Carolina.
- ORUS RICHARD SUTTON* (1959).....*Associate Professor and Chairman of the*
Department of Business Education
B.S., Tennessee Polytechnic Institute; M.A., Northwestern University;
Ed.D. Candidate, University of Tennessee.
- FREDERIC LEE TARLETON (1960)*Assistant Professor of Mathematics*
B.S.E.E., North Carolina State College.
- ROGER EVAN THOMAS (1950)*Associate Professor of Physical Education*
B.S., M.Ed., Springfield College.
- REBECCA MCCOTTER TOMLINSON (1960)*Assistant Professor of Physical Education*
B.S., Appalachian State Teachers College; M.A., George Peabody College for
Teachers; Dir.P.E., Indiana University.
- SAMUEL BOYCE TRAVIS (1960)*Instructor in Mathematics*
B.S., M.A., Appalachian State Teachers College.
- WILLIAM FIFE TROUTMAN, JR. (1962)*Associate Professor of Political Science*
B.S., Western Carolina Teachers College; M.A., Ph.D., Duke University.
- KATHRYN CROFT TULLY (1955)*Assistant Professor of Business Education*
A.B., Concord College; M.A., Teachers College, Columbia University.
- INA FAYE WOESTEMEYER VAN NOPPEN (1947)*Professor of History*
B.S., University of Kansas; M.A., Ed.D., Teachers College, Columbia
University.
- JOHN JAMES VAN NOPPEN, III (1947)*Professor of English*
A.B., University of North Carolina; M.A., Ed.D., Teachers College,
Columbia University.
- TEUNIS VERGEER (1960)*Professor of Biology*
A.B., Calvin College; M.S., Ph.D., University of Michigan.
- MARY COLEMAN WALKUP (1960)*Instructor in Physical Education*
B.S., University of Houston; M.S., Springfield College.
- MARSHALL LEROY WALTERS (1958)*Professor and Chairman of Department of*
Health and Physical Education
B.S., George Williams College; M.A., New York University; Ed.D.
Candidate, Florida State University.
- MARYO WALTERS (1958)*Part-time Instructor in Foreign Languages*
B.S., Florida State University.
- ROBERT WILLIAM WATKINS (1932)*Professor of Physical Education*
B.S., Maryville College; M.A., George Peabody College for Teachers.
- OMRI KENNETH WEBB, JR. (1962)*Assistant Professor of Philosophy and Religion*
B.A., The Citadel; B.D., Southern Baptist Theological Seminary; Ph.D.
Candidate, Duke University.
- VIVIAN WOOD WELBORN (1944)*Associate Professor of Home Economics and*
Dietitian
B.S., Georgia State College for Women; M.S., University of Tennessee.

* Leave of absence, 1962-63.

- DANIEL JAY WHITENER (1932)*Professor of History and Dean of the College*
A.B., M.A., Ph.D., University of North Carolina.
- ROGERS VANCE WHITENER (1959)*Assistant Professor of English*
B.S., Appalachian State Teachers College; M.A., University of Florida.
- CRATIS DEARL WILLIAMS (1942)*Professor of English and Director of*
Graduate Studies
A.B., M.A., University of Kentucky; Ph.D., New York University.
- ELIZABETH RUCKER WILLIAMS (1951)*Part-time Instructor in Art*
B.S., Longwood State Teachers College.
- JULIAN CLIFTON YODER (1933)*Professor and Chairman of Department of*
Social Studies
B.S., Appalachian State Teachers College; M.A., George Peabody College
for Teachers; Ph.D., University of North Carolina.

Library Staff

- WILLIAM LEONARD EURY (1929)*Librarian*
A.B., Duke University; B.S. in L.S., M.S. in L.S., George Peabody College
for Teachers.
- RICHARD THOMAS BARKER (1956)*Circulation Librarian*
B.S., M.A., Appalachian State Teachers College.
- ALLIE AUSTIN HODGIN (1934)*Reference Librarian*
B.S., Appalachian State Teachers College; B.S. in L.S., George Peabody
College for Teachers.
- MARY ALICE HUFF (1942)*Cataloguer*
A.B., Limestone College; B.S. in L.S., George Peabody College for Teachers.
- WILLIAM LAWRENCE RHYNE (1960)*Assistant Librarian*
A.B.Ed., A.B. in L.S., M.A., University of North Carolina.
- ZEB VANCE SHOOK (1953)*Order Librarian*
B.S., M.A., Appalachian State Teachers College.
- BETTY MCGEE TEEM (1962)*Curriculum Laboratory*
B.S., M.A., Appalachian State Teachers College.
- VERA COOKE TUNNELL (1943)*Periodicals Librarian*
Appalachian State Teachers College.

Laboratory Schools

High School

- ROY RUSSELL BLANTON, JR. (1949)*Principal*
B.S., M.A., Appalachian State Teachers College; Ed.D., Indiana University.
- JOSEPH NEWTON BANNER (1962)*Vocational Agriculture*
B.S., M.Ed., North Carolina State College.
- WALTER THOMAS BROYHILL (1959)*Science*
B.S., Appalachian State Teachers College.
- JAMES MACK CAMPBELL (1962)*Physical Education*
B.S., Arkansas Polytechnic College; M.A., George Peabody College for Teachers.
- LAURA FARTHING CHURCH (1961)*Reading Specialist*
B.S., M.A., Appalachian State Teachers College.

- VERLIN OLAF COFFEY (1955) *Foreign Languages*
B.A., M.Ed., University of South Carolina.
- KATHLEEN McDONALD DOUGHERTY (1948) *Home Economics*
B.S., M.S., Auburn University.
- ELIZABETH EVELYN ELLIOTT (1958) *English*
B.S., East Tennessee State College; M.A., George Peabody College for Teachers.
- RICHARD STEVE GABRIEL (1955) *Mathematics*
B.S., M.A., Appalachian State Teachers College.
- MARGARET ENGLISH GRAGG (1941) *English and Director of Guidance*
B.S., M.A., Appalachian State Teachers College.
- WILLIAM CARL GREGG (1961) *Mathematics*
A.B., Elon College; M.A., Appalachian State Teachers College.
- JACK WILLIAM GROCE (1955) *Social Studies and Assistant Principal*
B.A., M.A., Appalachian State Teachers College.
- JAMES HOLLAND HARVEY (1961) *Social Studies*
A.B., M.A., Western Kentucky State College.
- BETTY JEAN HUGHES (1960) *English*
B.S., M.A., Appalachian State Teachers College.
- VERNA LOUISE HURD (1959) *Business Education*
B.S., East Tennessee State College; M.A., George Peabody College for Teachers.
- DORIS LORRAINE JONES (1960) *English*
B.A., Georgetown College; M.A., East Tennessee State College.
- GEORGE WILLIAM KIRSTEN, JR. (1960) *Instrumental Music*
A.B., Lenoir Rhyne College; M.A., Appalachian State Teachers College.
- HARLAN EDWARD LEDFORD (1959) *Business Education*
B.S., M.A., East Tennessee State College.
- KATIE JANE PETERSON (1958) *English*
A.B., University of Tennessee; M.A., George Peabody College for Teachers.
- LERA BRITT RANDALL (1957) *Librarian*
B.A., Carson-Newman College; M.A., Appalachian State Teachers College.
- WILLIAM CLAYWELL ROSS, JR. (1950) *Social Studies*
B.S., M.A., Appalachian State Teachers College.
- MARY LILLIAN SCHELL (1955) *Physical Education*
A.B., Catawba College; M.A., George Peabody College for Teachers.
- ROBERT EARL SNEAD (1956) *Science*
B.S., M.A., Appalachian State Teachers College.
- JAMES EUGENE WILSON, JR. (1958) *Social Studies and Music*
B.S., M.A., Appalachian State Teachers College.

Elementary School

- JOHN TATUM HOWELL (1930) *Principal*
B.S., Appalachian State Teachers College; M.A., M.Ed., George Peabody College for Teachers.
- ELLA AUSTIN BESHEARS (1935) *Second Grade*
B.S., Appalachian State Teachers College; M.A., George Peabody College for Teachers.
- ROBERT TURNER BLAZIER (1958) *Seventh Grade*
B.A., Johnson Bible College; B.S., M.S., University of Tennessee.

- LEA BLANTON BROOME (1947) *Third Grade*
B.S., M.A., Appalachian State Teachers College.
- JERRY BLAINE BROYLES (1962) *Physical Education*
B.S., East Tennessee State College; M.A., George Peabody College for Teachers.
- GRACE YOUNG BUCKLAND (1948) *Fifth Grade*
B.S., M.A., Appalachian State Teachers College.
- VELMA MAYES COTTRELL (1948) *First and Second Grades*
B.S., M.A., Appalachian State Teachers College.
- BESS SCOGGINS CRAWFORD (1946) *Second Grade*
B.S., M.A., Appalachian State Teachers College.
- ENNIS DAVIS (1945) *Third and Fourth Grades*
B.S., Appalachian State Teachers College; M.A., George Peabody College
for Teachers.
- ROBERT CARL DAY (1951) *Eighth Grade*
B.S., M.A., Appalachian State Teachers College.
- JOHN ROBERT FOSTER (1961) *Fifth Grade*
B.S., M.A., Appalachian State Teachers College.
- CLYDE MAE GOODMAN (1932) *Fourth Grade*
B.S., Appalachian State Teachers College; M.A., George Peabody College
for Teachers.
- MARY FAULK HAMBY (1947) *Eighth Grade*
B.S., Flora Macdonald College; M.A., Appalachian State Teachers College.
- MARY FARABEE HIGH (1959) *First Grade*
A.B., Catawba College; M.A., Appalachian State Teachers College.
- LOUISE WINGATE HORTON (1948) *Sixth Grade*
B.S., Woman's College of the University of North Carolina; M.A.,
Appalachian State Teachers College.
- RUBY JEAN LANIER (1959) *Fourth Grade*
A.B., Lenoir Rhyne College; M.A., Appalachian State Teachers College.
- RUTH SMITH LAXTON (1961) *Second Grade*
A.B., Lenoir Rhyne College; M.A., Appalachian State Teachers College.
- JIMMIE NELL OWEN (1962) *Fourth Grade*
B.S., M.S., Texas College of Arts and Industries.
- JESSIE DE BERRY PEASE (1955) *Librarian*
A.B., Stetson University; M.A., Appalachian State Teachers College.
- EARL LANCASTER PETREY (1949) *Seventh Grade and Assistant Principal*
B.S., Union College; M.A., Eastern Kentucky State College.
- CHARLES ELIZABETH PUTNAM (1953) *First Grade*
B.S., Appalachian State Teachers College; M.A., George Peabody College
for Teachers.
- ROBERT WELLINGTON RAMSEY (1960) *Eighth Grade*
B.S., Western Carolina College; M.A., East Tennessee State College.
- ELIZABETH MERCER RANDALL (1960) *Sixth Grade*
B.S., East Carolina College.
- JANE GREENLEE ROBINSON (1955) *Third Grade*
B.S., Western Carolina College; M.A., Appalachian State Teachers College.
- GAYNELLE BANNER WILSON (1955) *Music*
B.S., M.A., Appalachian State Teachers College.
- MYRTLE WILSON (1961) *Fifth Grade*
B.S., Appalachian State Teachers College; M.A., George Peabody College
for Teachers.

Teaching Fellows and Graduate Assistants

ETHEL SHULER AYRES, Scarritt College	<i>English</i>
ALBERT CHARLES BICKLEY, Culver-Stockton College.....	<i>Education</i>
NELL FOSTER BLEVINS, Appalachian State Teachers College	<i>Education</i>
JAMES THOMAS BRIDGES, Appalachian State Teachers College	<i>English</i>
CHRISTINE DORA BROWN, Appalachian State Teachers College.....	<i>Business Education</i>
HARRY NEAL BROWN, Davidson College	<i>English</i>
REBECCA JANE BURGESS, Appalachian State Teachers College	<i>Music</i>
GEORGE M. BURROUGHS, Howard College	<i>Physical Education</i>
KENNETH NELSON BUTLER, University of Tampa	<i>Physical Education</i>
FRANKLIN EUGENE BUTTS, Appalachian State Teachers College.....	<i>Business Education</i>
ROBERT D. CAMPBELL, Appalachian State Teachers College	<i>Mathematics</i>
OTIS WARD CARROLL, Appalachian State Teachers College	<i>Biology</i>
SARAH RHUEMMA CARTER, Furman University	<i>English</i>
FRANCES ANN COOK, Guilford College	<i>English</i>
HARRY L. COOKE, Appalachian State Teachers College	<i>Education</i>
WILLIAM GLENN DAIL, Carson-Newman College	<i>Biology</i>
BOBBY LEE DELLINGER, Appalachian State Teachers College	<i>Physical Education</i>
JIMMY CECIL DRAUGHN, Appalachian State Teachers College	<i>Social Studies</i>
ELISABETH LORETTA DUNCAN, Appalachian State Teachers College	<i>English</i>
LINDA HELMS EDWARDS, Appalachian State Teachers College	<i>Education</i>
AUBREY R. FLYNT, JR., High Point College	<i>Education</i>
BOBBY DARRELL FRANK, Pfeiffer College	<i>Physical Education</i>
BILLY EUGENE FRYE, Appalachian State Teachers College	<i>Education</i>
JESSE FLOYD FULLER, Presbyterian College	<i>Business Education</i>
DALE EVERETTE GADDY, Appalachian State Teachers College	<i>Education</i>
JEANNE BELK GADDY, Appalachian State Teachers College	<i>Education</i>
MARY ANN HUGHES, Radford College	<i>English</i>
BRENDA JOYCE JENKINS, Appalachian State Teachers College.....	<i>Physical Education</i>
JAMES HOWARD KINNEY, Appalachian State Teachers College	<i>Biology</i>
REBECCA ANN KOONTZ, Appalachian State Teachers College	<i>Education</i>
NINA VIRGINIA LAWSON, High Point College	<i>Social Studies</i>
TED ROLAND LEDFORD, Appalachian State Teachers College	<i>English</i>
DONALD WILLIAM LEO, Maryville College	<i>Social Studies</i>
JOSEPH AUSTIN LEONARD, Catawba College	<i>Education</i>
JIMMY DOUGLAS MARTIN, Lenoir Rhyne College	<i>Mathematics</i>
THOMAS THORPE McCAULLEY, College of Charleston	<i>Social Studies</i>
ROSE ANN McDANIEL, Appalachian State Teachers College	<i>English</i>
SIBYL MAE McDONALD, Appalachian State Teachers College	<i>Education</i>
FRANCIS ANGELO MONTALDI, Appalachian State Teachers College	<i>Biology</i>
LARRY THOMAS NANCE, Appalachian State Teachers College	<i>Physical Education</i>
MARTHA JANE NOBLITT, Appalachian State Teachers College	<i>Physical Education</i>
CAROLYN RUTH NOELL, University of North Carolina	<i>Education</i>
JAMES NORMAN PETERS, Pfeiffer College	<i>Social Studies</i>
ARCHIE LYNN RITCHIE, Appalachian State Teachers College	<i>Mathematics</i>
LARRY LOWELL SALE, Appalachian State Teachers College	<i>Education</i>

RICHARD HENRY SCHULTZ, Wisconsin State College	<i>Education</i>
MARTHA PENDRY SEBASTIAN, Appalachian State Teachers College	<i>Biology</i>
DAVID NELSON SMITH, Appalachian State Teachers College	<i>Business Education</i>
FRANK RAYMOND SMITH, Appalachian State Teachers College	<i>Business Education</i>
YVONNE SHERER SMITH, Appalachian State Teachers College	<i>Business Education</i>
JANE BAUCOM STEPHENSON, Woman's College, U.N.C.	<i>Business Education</i>
JOSEPH BEN STEWART, University of North Carolina	<i>English</i>
DAVID PATRICK SULEIMAN, Oglethorpe University	<i>Social Studies</i>
SAMUEL MASON SYKES, Appalachian State Teachers College	<i>Physical Education</i>
RACHEL MARIE TRIPLETT, Appalachian State Teachers College	<i>English</i>
BOYD CLARK TRIVETT, Appalachian State Teachers College	<i>Mathematics</i>
NELLIE MAE U'REN, Appalachian State Teachers College	<i>Business Education</i>
MARGARET ANN WARLICK, Appalachian State Teachers College	<i>Physical Education</i>
CHARLES VAN WELLS, Presbyterian College	<i>Biology</i>
RONALD EVERETT WHITTAKER, Appalachian State Teachers College	<i>Physical Education</i>
JESSIE HIGDON WILKIE, Western Carolina College	<i>English</i>
JOE MILLER WILSON, Carson-Newman College	<i>Music</i>
WALTER HAROLD WINDLEY, JR., Belmont Abbey College	<i>Education</i>
JOHN D. WITHROW, Appalachian State Teachers College	<i>Social Studies</i>
SAMUEL REEVES WOOTEN, Appalachian State Teachers College	<i>Education</i>
JAMES OLIVER YOUNG, Appalachian State Teachers College	<i>English</i>

Residence Counselors

MARY E. HARALSON	<i>Dauph-Blan Hall</i>
MARJORIE KELLY	<i>East Hall</i>
RUTH S. GERMAN	<i>East Hall</i>
EMMA M. TAYLOR	<i>East Hall</i>
ETHEL G. TYSON	<i>Lovill Hall</i>
ARLIE H. THOMPSON	<i>North Hall</i>
HONOR DEE WINKLER	<i>White Hall</i>
PLENNIE B. CROUCH	<i>College Hall</i>
MARY EDITH BELL	<i>Justice Hall</i>
CARL MESSERE	<i>Newland Hall</i>
IRENE LAIRD	<i>North Hall Annex</i>

Administrative and Secretarial Staff

Supervisors

S. MCKINLEY AYERS	<i>Electrical Engineer</i>
THOMAS C. BEACH	<i>Manager of Laundry</i>
HOWARD J. COTTRELL	<i>Manager of Bookstore</i>
CRATER L. MARSH	<i>Superintendent of Buildings and Grounds</i>
RICHARD FLOYD SEAWARD	<i>Plant Engineer</i>
NINA MCGUIRE MARTIN, R.N.	<i>Nurse</i>
MARY STEPHENSON SHOOK, R.N.	<i>Nurse</i>
JOHN W. WELBORN	<i>Manager of Cafeteria</i>

Accountants and Secretaries

NED REEVES TRIVETT	<i>Administrative Officer</i>
COLLETT COLUMBUS COFFEY	<i>Accountant</i>
RUTH BARKER REDMOND	<i>Accountant</i>
MAUDE MOODY CARROLL	<i>Accountant</i>
MELBA LOVILL TUGMAN	<i>Cashier</i>
ELOISE JAMESON BAGLEY	<i>Accounting Clerk</i>
EARLEEN GREENE PRITCHETT	<i>Administrative Assistant</i>
LARRY HOWARD PENLEY	<i>Public Information Officer</i>
MARGARET R. COOK	<i>Secretary to the Vice-President and Comptroller</i>
ELIZABETH KING TRIPLETT	<i>Secretary to the Dean</i>
CATHERINE PEELER ROSS	<i>Secretary to the Registrar</i>
LORENE MEARES GIBSON	<i>Secretary to the Dean of Instruction</i>
CAROLE JUNE ROBINSON	<i>Secretary to the Director of Graduate Studies</i>
JUDY CAROLYN CASTLE	<i>Secretary in Graduate Office</i>
MARGARET F. WAGONER	<i>Secretary to Director of Extension and Summer School</i>
JULIA VAN PELT	<i>Secretary to Director of Foundations</i> <i>Public Relations, and News Bureau</i>
CAROLYN N. SATTERFIELD	<i>Secretary in Business Office</i>
PATRICIA B. HODGES	<i>Secretary in Business Office</i>
PEGGY SMITH WHITAKER	<i>Secretary to the Dean of Men and Dean of Women</i>
DIANNE SLEMP GREENE	<i>Secretary to the Assistant Registrar</i>
CAROLYN D. COFFEY	<i>Secretary in President's Office</i>
MARISCHA MARGARET COOKE	<i>Alumni Office</i>
CAROLYN GREENE AUSTEN	<i>Appalachian Elementary School</i>
GLADYS EASON SHELTON	<i>Appalachian High School</i>
SARAH F. WILSON	<i>Business Education</i>
PATRICIAAN FARRIS	<i>Dean's Office</i>
SCOTTIE H. KELLY	<i>Education</i>
JULIA HARTLEY BROOKS	<i>Education</i>
LENNIS D. WILSON	<i>Education</i>
MEREDITH H. MCDANIEL	<i>Education</i>
BETTY JANE GREENE	<i>Education</i>
HELEN S. BAIRD	<i>Education</i>
WANDA JUNE WINEBARGER	<i>Education</i>
HELEN S. MINOR	<i>Fine Arts</i>
ANNA B. FARTHING	<i>Health and Physical Education</i>
DEANNA J. BRACKETT	<i>Health and Physical Education</i>
MARY E. NORRIS	<i>Languages</i>
PATRICIA ANNE LESLEY	<i>Library</i>
DONNA STOLL SINK	<i>Mimeograph Office</i>
SHELBY J. LEE	<i>Registrar's Office</i>
FRANCES E. RAGAN	<i>Registrar's Office</i>
ALMA RUTH EARP	<i>Science</i>
JANICE L. GREENE	<i>Social Studies</i>
WILLIAM R. VARNER	<i>Printing Office</i>
DANIEL M. HARRIS	<i>Records Room</i>
BENNIE L. ROBINSON	<i>Records Room</i>
RUTH L. SNIDER	<i>Records Room</i>

THE COLLEGE

Location

Appalachian State Teachers College is located at Boone, county seat of Watauga County, North Carolina, on the crest of the Blue Ridge Mountains at an elevation of 3,333 feet above sea level.

Situated at the foothills of the Grandfather Mountain and only eight miles from the famous Blowing Rock and five miles off the Blue Ridge Parkway, which connects the Shenandoah and the Smoky Mountain National Parks, Boone is easily accessible over United States Highways 221, 321, 421, which intersect in and lead out from the town.

History

Appalachian State Teachers College had its beginning in the summer of 1899. Under the leadership of D. D. Dougherty and B. B. Dougherty, a group of Watauga County citizens began a movement to establish a school at Boone. Land was donated by D. B. Dougherty, father of the leaders in the enterprise, and by J. F. Hardin, a prominent citizen of the town. A frame building was erected by contributions from citizens of Boone and Watauga County. A list of these contributors is preserved in the library.

In the fall of 1899, D. D. Dougherty and B. B. Dougherty, acting as co-principals, with Mrs. D. D. Dougherty as teacher of primary work, began the elementary school in an old two-room building. At Christmas the school was moved into a new building to be known as Watauga Academy. There were fifty-five students in the school district, none of whom was above the third grade.

The co-principalship continued until 1903. D. D. Dougherty administered the school and taught, while B. B. Dougherty served as Superintendent of Education for Watauga County and taught in the spring after the public schools had closed and in the summer session.

A summer session was regularly maintained with many teachers from Watauga and adjoining counties attending.

Charter of Appalachian State Teachers College

B. B. Dougherty, co-founder of the school, relates how the school became a state institution:

"In 1903 Captain E. F. Lovill and B. B. Dougherty, with W. R. Lovill as typist, one Sunday in the home of Captain Lovill of Boone wrote a bill to establish a state institution in northwestern North Carolina. There were no resolutions by teachers' assemblies or requests from any source to write this bill.

"In the same year the Honorable W. C. Newland of Caldwell County introduced the bill in the House of the General Assembly of North Carolina. After a hard fight before the Committee on Education, the measure was reported favorably to the House. Here the Honorable R. A. Doughton of Alleghany County joined Mr. Newland in his arguments for the bill. It was passed by a good majority. However, in the Senate the measure was turned down by the Committee on Education, but Senators Clyde R. Hoey of Cleveland County, R. B. White of Franklin County, and E. J. Justice of McDowell County, all young men who distinguished themselves later as statesmen, signed a minority report and carried the bill to the Senate floor, where on the last day each made a speech in behalf of the bill. The bill passed by only one vote. A new state institution was thus established.

Following are the two establishing sections of the bill:

"The General Assembly of North Carolina Do Enact:

"Section 1. That W. C. Fields and A. S. Carson of the County of Alleghany, J. D. Thomas and T. C. Bowie of the County of Ashe, Adolphus Taylor and W. P. Horton of the County of Wilkes, F. P. Moore and J. M. Barnhardt of the County of Caldwell, Moses H. Cone and E. F. Lovill of the County of Watauga, J. R. Pritchard and T. A. Love of the County of Mitchell, and J. B. Ray and E. F. Watson of the County of Yancey are hereby created a body politic and corporate under the name of The Appalachian Training School for Teachers, and as such may sue and be sued, implead and be impleaded in all the courts of the State, may purchase and hold real estate, receive donations, and do all things useful and necessary to carry out the true intent and meaning of this act.

"Section 2. That the said board of trustees shall meet in the town of Blowing Rock, in the County of Watauga, in the month of May, after the passage of this act, at the call of the Superintendent of Public Instruction of North Carolina, and shall organize by electing a president, a secretary, and a treasurer, and shall meet annually thereafter at a time and place to be fixed by said board."

Development

In accordance with the provision of the Charter, Dr. J. Y. Joyner, State Superintendent of Public Instruction, in 1903, called a meeting of the Board of Trustees. Captain E. F. Lovill was elected President of the Board, which position he held with great credit until his death in 1925. F. P. Moore, J. M. Barnhardt, and Moses H. Cone were named as the Executive Committee.

Citizens from Jefferson, Globe, Blowing Rock, Montezuma, Valle Crucis, and Boone offered inducements to have the school located in their respective community. The people from Boone offered the Watauga Academy, equipment, and grounds. The trustees voted to locate the school at Boone.

The appropriations for buildings were made for the first six years on condition that a like amount should first be contributed by private citizens. B. B. Dougherty, who was elected financial agent, immediately began a campaign for donations. Practically everyone in the Boone vicinity helped. The financial agent was so pleased with the desire of the Watauga people for something better than they had known that he visited the adjoining counties. Everywhere he received many donations. Moses H. Cone of Greensboro and Blowing Rock and Honorable R. Z. Linney of Taylorsville gave \$500 each.

In June, 1903, the trustees of the new school met in Boone and elected B. B. Dougherty, Superintendent; D. D. Dougherty, Principal; and W. C. Coffey, Treasurer. For twenty-two years there followed a period of steady growth, academic development, and valuable service to the State.

In 1925 the Legislature changed the name to Appalachian State Normal School and increased the appropriations for both maintenance and permanent improvements. In this year Superintendent B. B. Dougherty was elected President, and Principal D. D. Dougherty was elected Business Manager and Treasurer. In 1929 the Legislature revised the charter and changed the name to Appalachian State Teachers College, increased the appropriation for maintenance, and authorized the trustees to "confer or cause to be conferred such degrees as are usually conferred by similar institutions in America." B. B. Dougherty was continued as President and D. D. Dougherty as Business Manager and Treasurer. D. D. Dougherty was not permitted long to enjoy the larger institution, for he died June 10, 1929, the very day of the registration for the new college. His work was taken up by Mrs. D. D. Dougherty and is now in the hands of their son, David Barnard Dougherty.

Dr. B. B. Dougherty resigned as President at the end of the school year in 1955 and died May 27, 1957. Dr. J. D. Rankin, Dean of the College, was elected by the Board of Trustees to serve as President until a new President could be chosen. At the same time David Barnard Dougherty was appointed Vice-President and Comptroller of the College. Dr. William H. Plemmons was elected as President by the Board of Trustees and began his service at the beginning of the fall quarter in 1955. He was officially inaugurated as President on April 24, 1956.

Accreditation

Appalachian is a member of the Southern Association of Colleges and Secondary Schools, American Council on Education, American Association of Colleges for Teacher Education, National Council for Accreditation of Teacher Education, North Carolina College Conference, National Association of Schools of Music, and the National Association of Business-Teacher-Education.

Purpose and Philosophy

The College has as its purpose to develop in the student those qualities of mind and character that make for excellence of human endeavor and specifically to prepare teachers, principals, supervisors, superintendents, and other school personnel.

The administration and faculty are engaged in a continuous curriculum study to develop and maintain a program of teacher education that will qualify each prospective teacher for the most effective service in the schools of North Carolina. The curriculum is designed to give each student a broad background in general education; a depth of understanding in one or more fields of special interest; a thorough understanding of professional education to include specialized methods, techniques, and principles useful in the teaching profession; and a pattern of wholesome cooperative democratic living. Through study and experience in these areas students can develop a sound philosophy of life and of education.

CAMPUS AND BUILDINGS

The Appalachian campus covers sixty acres of the Blue Ridge Mountains and has the highest elevation of any four-year college east of the Mississippi.

Classrooms and Laboratories

THE ADMINISTRATION BUILDING, erected in 1923, houses the auditorium, administrative offices, Language Laboratory, and classrooms and faculty offices for the departments of English, Foreign Languages, and Social Studies.

NEW SCIENCE BUILDING, constructed in 1963, provides classrooms, laboratories, offices for the Biology and Geology, Chemistry and Physics departments.

OLD SCIENCE BUILDING, erected in 1940, houses classrooms, laboratories, and faculty offices for the departments of Biology and Geology, Chemistry, Mathematics, and Physics.

EDUCATION BUILDING, erected in 1925, formerly the elementary school, houses the classrooms and faculty offices of the departments of Education and Psychology and also provides space for the Reading Laboratory and the Audio-Visual equipment and materials.

FINE ARTS BUILDING, erected in 1951, provides modern facilities for the departments of Art and Music including auditorium, classrooms, studios, offices, rehearsal rooms for music ensembles, and practice rooms.

DAUPHIN DISCO DOUGHERTY LIBRARY, erected in 1935 and renovated in 1955 and 1960, contains more than 100,000 volumes, and houses the Curriculum library, a Juvenile library, and the department of Library Science.

HEALTH AND PHYSICAL EDUCATION BUILDING, constructed in 1955, provides for the program of health, physical education, and recreation. It contains a large gymnasium, stage, modern swimming pool, classrooms, offices, audio-visual rooms, adequate shower and locker rooms for men, and overnight accommodations for visiting groups.

MEN'S OLD GYM, constructed in 1934, and the WOMEN'S OLD GYM, constructed in 1924, are used as auxiliary space for the physical education and recreation programs.

OLD HOME ECONOMICS BUILDING, constructed in 1905, provides classrooms, and offices of the department of Business Education, and home management residence for the Home Economics department.

NEW HOME ECONOMICS BUILDING, built in 1962, provides classrooms, laboratories, and offices for the department of Home Economics.

INDUSTRIAL ARTS BUILDING, constructed in 1961, provides classrooms, laboratories, and offices for the department of Industrial Arts.

APPALACHIAN HIGH SCHOOL, erected in 1938, and APPALACHIAN ELEMENTARY SCHOOL, erected in 1954, serve as laboratory schools for student observation and teaching.

Residence Halls and Houses

DAUPH-BLAN HALL, a compound of the first names of the Dougherty co-founders and named in their honor, was built in 1929 and renovated in 1960. It provides housing accommodations for 144 women.

EAST HALL, erected in 1952 and added to in 1958, houses 376 women.

LOVILL HALL, erected in 1915 and named in honor of Captain E. F. Lovill, first President of the Board of Trustees, accommodates 130 women.

NORTH HALL, erected in 1940, accommodates 125 women.

WHITE HALL, erected in 1924 and named in honor of R. B. White of Franklin County, who was active in gaining the approval of the Charter of the College by the General Assembly of North Carolina in 1903, accommodates 128 women.

JUSTICE HALL, erected in 1952 and named in honor of E. J. Justice of McDowell County, who was active in gaining the approval of the Charter of the College by the General Assembly of North Carolina in 1903 accommodates 322 men.

NEWLAND HALL, built in 1939 and named in honor of the Honorable W. C. Newland of Caldwell County, who introduced the bill in the General Assembly of North Carolina to establish the College, accommodates 132 men.

FACULTY APARTMENTS, built in 1953, provides thirty-three efficiency apartments available to faculty members.

THE PRESIDENT'S HOUSE, constructed in 1957, is located on a knoll overlooking the campus.

FACULTY HOUSES, built in 1939-1940 and renovated in 1960, provides housing for thirteen faculty families.

EMPLOYEES' HOUSES, located near the campus, are occupied by employees of the College.

Auxiliary Buildings

THE CAFETERIA, erected in 1925 and renovated in 1958, is well equipped to provide efficient food services for students.

THE COLLEGE BOOKSTORE, erected in 1935 and renovated in 1955 and 1961, provides fountain services and handles books and supplies.

LAUNDRY AND SERVICE BUILDING, built in 1949, houses a modern laundry and dry cleaning plant, the offices and shops of the superintendent for buildings and grounds and of the maintenance engineer, a warehouse, and the college garage.

POWER PLANT, built in 1924, provides power, heat, and light for the College. The Hydro-Electric plant is located on New River between Boone and Blowing Rock. The steam plant is located on the campus.

TWO COLLEGE FARMS with more than two hundred acres each.

STUDENT LIFE

The College is aware of the problems and needs of students as they adjust to the college community and become a part of it. To create an environment conducive to happiness and good work and to provide opportunities for the maximum development of each student, the College supports a variety of activities and services to supplement the academic program.

Student Government

With the approval of the College, the student body is organized under the Government Association with a constitution that provides a large measure of self-government. The constitution provides for a Student Council, which consists of the Assembly, the Judiciary, and the Executive, with each assigned specific powers and duties. Also, the Women's Dormitory Council and the Men's Dormitory Council as part of the Association provide for representative government in regulating student life in the residence halls. Student government is an ideal laboratory to afford students experience and training in democratic living.

Honor Code

The honor system is the foundation of self-government at Appalachian State Teachers College. To lie, cheat, steal, or break one's word of honor under any circumstance is recognized as an infringement on the honor system. It requires that each individual shall be responsible for the enforcement of the rules of right conduct on the campus and on examination. Moreover, each student is responsible not only for his own conduct, but also for the upholding of the honor principles by his fellow students.

The College reserves the right to request any student whose conduct or general attitude is considered unsatisfactory by the authorities of the College to withdraw.

Guidance and Counseling

The College provides comprehensive and active guidance and counseling services for all students and for freshmen in particular. Before a freshman arrives on the campus, he is assigned to a faculty adviser who serves as a member of the Freshman Advisory Council. On the campus the faculty adviser meets his advisees, guides them through orientation, and plans their registration. Once a week during the fall quarter the adviser meets with half of his advisees on a definite schedule on one day, and half on another day. In addition to these scheduled group meetings, the adviser counsels his advisees individually. The informal counseling is continued during the winter and spring quarters. The advisers are primarily concerned with helping the student adjust to the college environment and assess his scholastic problems wisely. For this service the faculty adviser is given three quarter hours credit on his teaching schedule. Thus the College uses the equivalent of more than four full-time teachers in the freshman counseling program.

Under the supervision of the Dean of Men and Dean of Women an active counseling program is carried out in each dormitory. Graduate students who are majoring in guidance and well qualified undergraduates are chosen to assist dormitory students. Weekly reports are filed of these activities. At the opening of the College transfer students are given a thorough orientation.

In the spring quarter freshmen are directed to their major departments for academic counseling. The chairman or a member of his department designated by him plans and approves the academic program of the student for the next three years or until graduation.

The counseling services of Appalachian are administered by the office of Student Personnel Services. Headed by a director, this office is in charge of freshman testing and placement, orientation, individual counseling on a referral basis, student appraisal, and research.

Health Services

Appalachian recognizes good health as one of the most important factors in successful living. The person who is unable to stand the strains of competitive activity is poorly prepared for life.

Each student who applies for admission to the College must provide evidence of good health on a form provided by the College and completed by a physician. A student will not be admitted until the health record is submitted and approved.

As a part of the health services of the College, personal health instruction is required of all students, the services of a nurse are available on campus, and a close relationship with the Watauga Hospital is maintained. Students are requested to report promptly all illnesses, however slight, to the college nurse so that they may receive immediate care and at the same time protect the health of others.

The Watauga Hospital, which adjoins the campus, serves as the college infirmary. A student who becomes ill will be admitted to the hospital by direction of the physician of his choice. The health fee paid by the student provides for a hospital room and meals for a period not to exceed seven days a quarter of the regular session, general nursing care, and the cost of the operating room for an emergency operation. The college health services are not available during vacation periods stated in the college calendar.

Since the above service covers illness only, the College provides for the protection of students an inexpensive accident insurance policy on a voluntary basis. This policy provides coverage for nine months whether a student is at the college or elsewhere. All students are urged to purchase this insurance, premiums for which are paid directly to a representative of the insurance company. Specific details of the insurance plan are sent to all students in August.

Religious Life

The College feels a deep responsibility to foster high ethical and Christian standards and to promote spiritual growth among students. To this end the College supports a varied program of religious activities. On the campus are active organizations of the Young Women's Christian Association, the Young Men's Christian Association, and an inter-denominational Religious Council, which coordinates the religious activities of the campus and sponsors an annual Religious Emphasis week.

Eight churches in Boone—Advent Christian, Baptist, Church of Christ, Episcopal, Lutheran, Methodist, Presbyterian, Roman Catholic—cooperate with the College in many activities. Through campus organizations, local churches and church affiliated groups, such as the Baptist Student Union, Canterbury Club, Lutheran Student Association, Wesley Foundation, Westminster Fellowship, students have large opportunities for worship, fellowship, study groups, and campus and community service.

Housing

The College has nine residence halls housing approximately fifteen hundred students. Each room is equipped with the basic furniture, but the student is expected to supply his linens, blankets, rugs, pillow, curtains, and other personal furnishings according to individual tastes. Each student is expected to observe dormitory regulations and take care of the furnishings of the room. Students may

not have in the room any cooking appliances, refrigeration, or any other electrical appliances except lamps, radio, record player, sewing machine, hair drier, razor; nor may they place any attachments to the walls, plumbing, or electric wiring. The College reserves the right to inspect the residence halls regularly.

The residence halls are closed during vacation periods indicated in the college calendar, and no occupancy of rooms will be permitted during this time. If a student finds it necessary to remain in Boone during vacation period, the Deans of Men and Women will assist in securing a room.

Because of limited dormitory space, some students may find it necessary to secure rooms in town. A list of available houses in town may be obtained from the office of the Dean of Men or Dean of Women. Men and women who plan to room off campus and who are not living at home or with close relatives must receive permission from the Dean of Men or the Dean of Women to room in town. All students enrolled in the College, whether living on campus or off campus, are subject to the rules of good citizenship and exemplary conduct as administered and supervised by the College Administration and the Student Council.

Reading Center

The College maintains a reading center for students who need and are interested in diagnostic and remedial help in reading. The Developmental Reading program, required of all freshmen for one quarter, endeavors to prepare students for greater academic achievement through the development of satisfactory reading skills. The center also serves as a laboratory for college students where they can observe and get experience in working with students who need help in reading.

Placement Service

The Office of Placement assists members of the graduating class and former students in finding the most desirable teaching and administrative opportunities in schools and colleges. The office locates vacancies, arranges interviews, refers candidates to specific openings, and maintains a placement file on each graduate for future reference and promotion. The office also sponsors a series of panel discussions each year at which time leading teachers and school administrators are invited to come to the campus to discuss the requirements, problems, and rewards of teaching as a vocation.

Athletics and Intramural Sports

Amateur athletics are encouraged as an outgrowth of the physical education program of the College. Athletic teams are not developed solely to win games, but to create and develop a greater interest in true sportsmanship and clean competition.

Appalachian, a member of the Carolinas Intercollegiate Athletic Conference, maintains athletic teams that compete in the following intercollegiate sports: baseball, basketball, football, golf, soccer, swimming, tennis, track, and wrestling. A Faculty Committee on Athletics regulates the intercollegiate athletic program.

The College maintains an extensive program of intramural sports. All students are encouraged to participate in the program to benefit from physical exercise and to develop good sportsmanship, self-reliance, and to gain experience in group participation and competition. Schedules of games are arranged from season to season in many sports, such as archery, badminton, basketball, dance, horseshoes, shuffleboard, soccer, softball, speedball, swimming, tag football, tennis, volleyball. The department of Health and Physical Education provides equipment and other facilities and assists in coordinating team schedules.

Social Life

The recreational program is directed by a full-time Director of Recreation. The social calendar for the year, aside from intercollegiate and intramural programs in sports and recreation, includes formal and informal dances, parties, receptions, dinners, teas, lectures, concerts by musical organizations, dramatics, fashion shows, Arts Festival, interclass parties.

Concerts and Lectures

A series of programs including concerts, plays, lectures, recitals is scheduled throughout the year to extend cultural opportunities to the students and college community. Each quarter at the College Convocation distinguished speakers are presented.

Frequent recitals are given by the students and faculty of the music department and by the various musical organizations.

The John Hiliary Workman Memorial Lectures, established in 1960, by Dr. John Hiliary Workman and his sister, Miss Sarah Workman of Cherryville, North Carolina, brings a nationally known speaker in the field of economics to the campus each year for lectures.

Dramatics and Forensics

Participation in theater work as actors, designers, directors, and technicians is open to all students. The Playcrafters, a dramatic organization, serves as the producing agency for several one-act and three-act dramas each year and offers membership to students for meritorious achievement in dramatics.

A full program of forensics provides opportunities for students to develop their ability in public speaking and debate. A faculty director of forensics assists in the program by arranging debating schedules and selecting and preparing speakers for individual debates and forensic tournaments.

Musical Activities

The department of Music provides many organizations and activities in which students may gain valuable instruction, experience, and recreation.

THE MARCHING BAND, an all-college organization, functions in close cooperation with the athletic association during the football and basketball seasons.

THE CONCERT BAND, an all-college organization, gives several local and off-campus concerts during the year, including a tour of North Carolina and neighboring states.

THE COLLEGE SYMPHONY ORCHESTRA, open to all students who have ability and experience in playing any orchestral instrument, appears in several concerts during the year.

THE COLLEGE CHOIR, an all-college organization and the oldest musical organization on the campus, appears in concerts throughout the year. It has appeared with the North Carolina Symphony Orchestra, the Federated Music Clubs, and the Mutual Network in broadcasts of Handel's *Messiah*.

THE WOMEN'S GLEE CLUB is open to all women students who desire to sing.

THE MALE CHORUS is open to all male students who are interested in singing.

THE APPALACHIAN CHORALE is composed of sixteen selected voices, eight women and eight men.

THE APPATONES is a dance band which provides music for the college dances and those of neighboring schools.

Student Publications

The Appalachian, the college newspaper, is published weekly by the students. *The Rhododendron*, the college annual, is compiled during the college year and is distributed to the students in the spring quarter. Also a student staff prepares and edits the *Student Handbook*, which contains information on student life and organizations. Qualified students are elected by students to the editorial and business staffs of the publications, which offer excellent opportunities for students to develop their literary and journalistic interests and ability.

Clubs and Professional Societies

The College supports a diversified program of club activities. National societies include Alpha Chi (scholarship), Alpha Psi Omega (dramatics), Beta Beta Beta (biology), International Relations Club, Pi Gamma Mu (social studies), Pi Kappa Delta (forensics), Pi Omega Pi (business education).

Local clubs include Association of Childhood Education, Chemistry Society, Chi Lambda Chi (composed of the presidents of all campus clubs and organizations), Collegiate Civic, Flying Fish, Home Economics, Industrial Arts, Library Science, Mathematics, Men's A, Modern Dance, Music Education, Physical Education, Playcrafters, Service, Varsouviana, Vernician Society, Veterans, Woman's A, Women's Athletic Association, Young Democratic, Young Republican.

Student Officers and College Representation

Members of the student council, class and club officers, nominees for class or campus honors, athletic managers, members of the publication staffs, participants in public programs, cheerleaders, debaters, and any person other than athletic teams representing the college off campus, must be selected from those students who average C or better and have a good reputation on the campus.

Motor Vehicles

The College has tried to provide adequate parking facilities for students who find it necessary to use cars for transportation to classes. Since the space available for parking is limited, students who live on the campus are required to leave their cars at home or to park them in the parking areas around the residence halls. Students are not permitted to park their cars in areas marked "staff" or in other restricted areas.

Freshmen, except those who commute from out of town or whose physical condition is such as to warrant otherwise, are not permitted to bring a motor vehicle to the College. A student who owns or operates a motor vehicle on the campus must register it with the traffic department of the College and receive and display a registration sticker, which is valid for the time the student is enrolled in the College.

Alumni Association

All graduates, former students who have received any academic credits, and personnel officially associated with the College are members of the Alumni Association. Its purpose is to provide fellowship for the alumni and to advance the mutual interests of the College and alumni. There are no membership dues; however, many alumni express their active interest in the College by contributing voluntarily to "Heartline," which stimulates the growth of every school activity, and by returning to the campus on Homecoming week end each fall.

Active alumni chapters are organized in the following counties: Alamance, Ashe, Avery, Burke, Caldwell, Catawba, Cleveland, Forsyth, Gaston, Guilford, Iredell, Lincoln, McDowell, Mecklenburg, Moore, Randolph, Stanly, Surry, Tri-county, Wake, Watauga, Wilkes, Western District; Florida; Danville, Virginia; Tidewater, Virginia; Tokyo, Japan; and Wiesbaden, Germany.

Officers of the Association are:

Leroy Sossamon, Bryson City, North Carolina	President
Miles Annas, Charlotte, North Carolina	President-Elect
Donna Gantt McSwain, Albemarle, North Carolina	Vice-President
Annie Mae Blackburn, Boone, North Carolina	Secretary-Treasurer
John Corey, Boone, North Carolina	Executive Secretary

ADMISSIONS

All correspondence concerning admission to the College should be addressed to the Registrar, Appalachian State Teachers College, Boone, N. C. Students may be admitted at the beginning of the fall, winter, spring, or summer quarter. For any quarter early application is advisable. The College admits applicants whose preparation, ability, interest, character, and general fitness indicate that they can do successful college work. Taken into consideration are the quality of the applicant's academic record, test scores on the Scholastic Aptitude Test of the College Entrance Examination Board, recommendations, and health record.

Requirements for Admission

1. First year freshmen. Beginning freshmen are admitted by certificate, high school graduation, or examination. Graduates of accredited high schools must rank in the upper half of their graduating classes, and present two units of algebra or one unit of algebra and one unit of geometry.

Graduates of non-accredited high schools are admitted by certificate and satisfactory scores on an entrance examination.

Beginning freshmen who reside out of the state must rank in the upper half of their graduating classes and otherwise must meet the same requirements as North Carolina students.

Applicants must have made satisfactory scores on the Scholastic Aptitude Test of the College Entrance Examination Board, which should be taken in the senior year, preferably in December or January, but may be taken at any administration prior to July 20. For information regarding the test, application fees, reports, examination centers, and dates, the student should consult his high school principal or guidance counselor.

2. Transfer Students. Students who transfer from other colleges or universities must furnish official transcript of records from institutions previously attended. These transcripts must show eligibility to return to the latest institution attended and an average grade of at least "C" on all work attempted. Courses satisfactorily completed in other accredited colleges are evaluated in terms of the curriculum selected at Appalachian.
3. Junior college graduates are a special transfer group. Since they will have completed two full years of college, they will be expected to meet the same screening standards as required of regular sophomores of the College before final approval for admission is granted.
4. Special Students. Applicants who are mature and who may not meet admission requirements but who have had a satisfactory record of experience and education may be admitted to courses which they may be able to pursue with profit. Special students who desire to become candidates for degrees must satisfy entrance requirements.
5. Graduate Students. For admission and graduation requirements, see *Graduate Studies*.
6. Auditors. Students enrolled at the college or students with satisfactory records of experience and education may be admitted to specific courses as auditors with the consent of the Dean of the College and the instructor concerned. Students who audit courses must register in the Registrar's office, must be regular in attendance, but will not receive grades or credit.

Admission Procedure

Students who wish to be considered for admission to the College as freshmen will obtain from the office of the Registrar an application package, consisting of an application form, medical examination report form, high school principal's

certificate and recommendation form, and instructions for completing and submitting these forms.

All application forms are to be accompanied by an application fee of five dollars that is not refundable.

Applicants should request the College Entrance Examination Board to send results of the Scholastic Aptitude Test to the Registrar.

Students who desire to transfer to Appalachian from other colleges will obtain from the office of the Registrar an application package consisting of an application form, medical examination report form, dean of men or dean of women recommendation form, and instructions for completing and submitting these forms.

Graduates of junior colleges must complete at least 90 quarter hours with at least a 2.00 quality point ratio at Appalachian.

After all papers have been filed and evaluated, a statement of eligibility for admission or a statement of shortages to be removed before admission can be approved will be sent to the applicant.

Approved applicants who expect to live on campus should send to the Office of the Dean of Women a room reservation fee of \$20.00. Rooms will be assigned in the order in which reservations are received.

A personal interview with an authorized representative of the College and a visit to the campus are advisable and beneficial to the student and the College.

All applicants for admission will be notified on scheduled dates of the decision of the Committee on Admissions concerning their applications.

Prior to the date of registration, information such as room assignment, opening date, orientation program, Student Handbook, name of student's faculty adviser will be sent to students.

Advanced Placement Program

The College participates in the Advanced Placement Program of the College Entrance Examination Board. Freshmen who have performed satisfactorily in college-level secondary school courses and who have demonstrated their achievement on tests of the Advanced Placement Program may have the results submitted to the College for consideration for placement in advanced courses and for college credit. Such students are thereby enabled to enrich their college education. The amount and nature of the credit granted are determined by the Committee for Superior Students and the pertinent department of instruction.

Readmission

Students who have withdrawn in good standing from the College or who have been suspended for academic deficiencies or for other reasons should submit their requests for readmission to the Dean of the College. Consideration of requests for readmission of students who have been suspended for any reason will be made in the light of the applicant's ability, evidence of growth and maturity, good citizenship record, credits earned at another institution, and time elapsed since leaving Appalachian. Students who withdraw and who are not in good standing may be readmitted after three quarters of the regular session have elapsed. However, students may remove academic deficiencies by attending summer session. As a policy, students who are twice suspended for academic deficiencies will not be eligible for readmission.

EXPENSES

Fees are charged by the quarter and are due and payable in advance at the beginning of each quarter. Any special arrangement for the payment of expenses must be made one week in advance of the opening of the quarter with the office of the Vice-President and Comptroller.

Regular Expenses per Quarter of the Undergraduate Student

	RESIDENTS OF NORTH CAROLINA	NON-RESIDENTS OF NORTH CAROLINA
Registration	10.00	10.00
Tuition	50.00	135.00
Room (standard)	39.00	39.00
Room (with private bath)	48.00	48.00
Cafeteria Meals (minimum)	75.00	75.00
Student Welfare and Activities	19.25	19.25
Rental of Textbooks	10.30	10.30
Laundry and Dry Cleaning (minimum)		
Men	12.00	12.00
Women	9.00	9.00

For expenses of the graduate students, see page 57.

The application for admission must be accompanied by an application fee of five dollars, which is not refundable.

The room reservation fee of \$20.00 is deductible from the room rent charge at the opening of the first quarter in residence.

All students living in the college dormitories are required to purchase the minimum number of meal tickets at the time of registration.

The College reserves the right to change the charges for living expenses any time that it becomes necessary.

Student Welfare and Activities

This fee supports such services and activities as medical care, use of gymnasium, student government, concerts and lectures, class dues and popular programs, forensics and dramatics, intramurals, student publications, attendance at all athletic events on the campus.

Rental of Textbooks

A textbook rental fee entitles a student to receive textbooks used in each course for which he registers. At the beginning of each quarter textbooks are issued at the Bookstore, and at the end of the quarter textbooks that are not needed further are returned. Notebooks, workbooks, manuals, and the like are not included. A student who desires to own his textbooks may purchase them by paying the difference between the rental fee and the purchase price.

Laundry and Dry Cleaning

Laundry of linens and personal clothing and pressing and dry cleaning are provided at the college laundry. Students whose laundry service is in excess of the minimum charge will settle the account with the office of the Vice-President and Comptroller. All students should have permanent name markings in every article to be laundered or dry cleaned.

Day Students

Regular Day Students pay all regular expenses except room rent, Cafeteria meals, laundry and dry cleaning.

Off-Campus Courses

For off-campus courses a student pays the Registration fee of \$15.00, Library fee of \$3.00, and tuition of \$4.00 a quarter hour.

Saturday and Evening Classes

A student who attends Saturday or Evening classes pays the Registration fee of \$15.00, Library fee of \$3.00, and tuition of \$4.00 a quarter hour.

Summer Session

See the Summer Session Bulletin.

Special Fees

Home Management House\$120.00

A major in Home Economics is required in the senior year to spend one quarter in residence in the home management house for which she pays this fee for room and board instead of the regular charges.

Student Teaching\$15.00

This fee is charged the student who spends one quarter during the senior year doing student teaching in the laboratory schools of the College or in approved off-campus schools.

Music Per Quarter

One thirty-minute individual lesson a week, any instrument or voice.....15.00

Two thirty-minute individual lessons a week, any instrument
or voice 30.00

One class lesson a week, any instrument or voice 9.00

Practice rooms, voice, piano, organ, first quarter hour 5.00

Each additional quarter hour 2.50

Practice rooms, strings, wind, percussion, first quarter hour 2.50

Each additional quarter hour 1.25

Late Registration5.00 to 10.00

A student who does not complete his registration during the announced registration date is charged a \$5.00 fee, with an increase of \$1.00 for each additional late day of registration, the total not to exceed \$10.00.

Change of Course1.00

For each course change initiated by the student after registration day.

Change of Room1.00

For change of dormitory room initiated by the student after registration day.

Late Test2.00

A student who does not take the required orientation tests at the time provided by the College will be required to pay a \$2.00 fee for each test.

Special Examination5.00

This fee is charged the student who takes an examination in a course outside of the examination schedule, except in case of extreme emergency.

Transcripts\$1.00

A student who has paid all of his college fees is entitled to receive without charge three transcripts of his scholastic record. For each additional transcript the fee is \$1.00.

National Teacher Examinations and Miller Analogies Test

The fee charged by the Educational Testing Service for the common examination	9.00
Common and one Option	11.00
Common and two Options	13.00
Miller Analogies Test	2.00

Cap and Gown

Bachelor's degree	5.00
Master's degree	9.00

Diploma

Bachelor's degree	6.00
Master's degree	10.00

Auditing

A person except those on college appointment and students registered for a full schedule who audit a class pay the regular registration and tuition fees. Auditors do not take tests, examinations, receive grades or credit, or participate in class discussion.

Accident Insurance

For the protection of students an accident insurance policy is available on a voluntary basis for women and men. The policy provides coverage for nine months on campus or off campus. All students are encouraged to purchase the protection.

Special Note

Before taking final examinations at the close of each quarter, a student is expected to settle all accounts. A student may not register for a new quarter until all charges have been paid or arranged for and until all textbooks are returned to the College Bookstore. A student cannot receive a degree, certificate, or transcript of credits, until all accounts except current loans have been paid.

Refund of Fees

The room reservation fee of \$20.00 is refundable if cancellation is made by August 1 for the fall quarter through the office of the Vice-President and Comptroller.

If a student withdraws from the College before the close of the registration period, one-half of the room rent and tuition and a proportionate part of the amount paid for meals will be refunded. If a student withdraws after the close of the registration period a proportionate part of the amount paid for meals will be refunded. Refunds will be calculated from the date of the official withdrawal from the College. Students who are suspended for disciplinary reasons or who do not formally withdraw are not eligible for a refund.

Information to Veterans

A veteran who plans to attend the College under the educational provisions of Public Law 550 should apply to the Veterans Administration for benefits. After his application is processed, the veteran will receive a Certificate for Education and Training. Under this law a veteran pays his fees at the time of registration

but receives a monthly education and training allowance from the Veterans Administration based on attendance and progress reports made by the College. Since the first check is sometimes delayed, a veteran should make his arrangements early.

A veteran who enters the College under Public Law 894 for disabled veterans and has the approval of the Veterans Administration will have his college fees paid directly to the College by the Government.

Children of disabled or deceased veterans may receive assistance in payment of tuition, room, meals, and other college fees. For information and application forms, students should write to the North Carolina Veterans Commission, Raleigh, North Carolina.

STUDENT AID

Appalachian is interested in establishing scholarships and loan funds for worthy, capable, and needy students.

Requests for financial aid must be made on application forms obtainable from the Committee on Student Scholarships and Financial Aid.

Self-Help

The College provides limited opportunities for self-help to students who wish to earn a part of their college expenses.

Scholarships

Alpha Gamma Chapter of Delta Kappa Gamma will award a scholarship of \$100 or more to a worthy student from Allegheny, Ashe, Avery, Watauga or Wilkes county.

James G. K. McClure Scholarships, established in 1958 by the James G. K. McClure Education Foundation, provides several scholarships of \$200 each to freshmen from designated western counties who give promise of high intellectual attainment, who show evidence of Christian character, and who are in need of financial aid.

Endowment Scholarships were made available in 1957 by the Board of Trustees from the income of Endowment Funds. Approximately 200 scholarships valued at \$125 upward are available to men and women who excel in scholarship, who are needy, and who give promise of leadership at the college.

Living Endowment Fund for Scholarships, initiated by the class of 1956 and continued by succeeding classes, provides fifteen to twenty scholarships annually with an average value of \$200. These scholarships are available to men and women who are scholastically in the upper quarter of their class and who need financial aid.

Vocational Rehabilitation Scholarships. Students who have physical disabilities which constitute vocational handicaps are eligible for scholarships from the North Carolina Vocational Rehabilitation Department. These scholarships are available for four years provided the student maintains a satisfactory record in college. For information, qualified students should write to the Department of Vocational Rehabilitation, Raleigh, North Carolina.

The John Hiliary Workman Memorial Scholarships, established in 1960 by Dr. John Hiliary Workman, Professor of Economics at Appalachian State Teachers College from 1946 to his death, and his sister, Miss Sarah Workman of Cherryville, North Carolina, provides scholarships for capable and needy students with the income from property valued at \$20,000.

Kenneth B. Linney Memorial Scholarship was established in 1961 in memory of Kenneth Linney by contributions from friends and immediate family. The scholarship of \$150 is made available by annual auditions to high school seniors who wish to major in voice, who have excellence of scholarship, seriousness of purpose, financial need, and who show professional promise. The scholarship is renewable by application.

The Collegiate Civic Club Scholarship, established in 1961 by a student organization, provides \$100 annually to a student of need and outstanding academic ability. The recipient of the award is selected by the club from recommendations made by the Faculty Committee on Student Scholarships and Financial Aid.

Student Activity Grants-in-Aid

Several fields of student activity including dramatics, music, baseball, basketball, football, and other activities, have been approved for grants-in-aid. Application forms are available from the Committee on Student Scholarships and Financial Aid.

Loan Funds

Since the loan funds are not sufficient to meet all requests, a student who needs assistance is requested to seek a loan in his local community. If he is not successful in getting a loan, he may apply to the Committee on Student Scholarships and Financial Aid. As a rule, a student should have completed one or two years in college before he requests a loan.

When a student borrows money from any of the loan funds, he will sign a promissory note and provide security in the form of two qualified endorsers or collateral satisfactory to the office of the Vice-President and Comptroller. Arrangements may be made to repay the loan and interest in installments over a reasonable period of time after graduation or discontinuance of study. A student who receives a loan should understand that loan funds are revolving funds and that the College has the same interest in protecting them as it had in securing them.

The following loan funds have been established for the benefit of worthy students who need financial aid.

Charles F. Carroll Loan Fund of \$125 was donated in 1958 by Charles F. Carroll, State Superintendent of Public Instruction, to assist any student of character, scholarship, and need.

Nora E. Edmondson Loan Fund of \$500 was donated in 1956 by Mrs. Bertie E. Perkins in memory of her sister, Miss Nora E. Edmondson, who at the time of her death was the oldest graduate of the college, and who from her first visit in 1942 until her death, was one of its most loyal and devoted friends. This fund is available to graduate students only.

Frances L. Goodrich Loan Fund was contributed by the Trustees of Asheville College and is subject to return to the Frances L. Goodrich Loan Fund of Asheville College if a fully accredited four-year college is opened in Asheville. Loans are restricted to \$300 per year and are available only to juniors and seniors.

Library Science Loan Fund was donated in 1953 by Miss Eunice Query and Miss Mabel Brister of the Appalachian Faculty. The loan is available only to majors in Library Science.

Middle Fork Loan Fund, which amounts to approximately \$60,000, was set up in 1925 by act of the legislature of North Carolina out of accumulated revenues above actual maintenance cost of the New River Light and Power Company.

The Milton Loan Fund of \$100 was established in 1940 by Mrs. David Milton of Blowing Rock and New York.

National Defense Student Loan Program. Appalachian participates in the National Defense Student Loan Program, which is a part of the National Defense Education Act of 1958. From this program students may borrow as much as \$1,000 a year but not more than a total of \$5,000 in the four-year college program. Even though students in any field of study are eligible, the Act specifically states that special consideration shall be given to "students with superior academic backgrounds." No interest is charged on the loan until one year after graduation or discontinuance of study. When the date of repayment begins, a three per cent interest rate is charged. Fifty per cent of the loan including interest may be canceled if the borrower becomes a public school teacher. Ten per cent of the loan plus interest is canceled for each completed year of teaching up to five years.

North Carolina Scholarship Loan Fund for Prospective Teachers, established by act of the legislature of North Carolina in 1957 for capable students who are preparing to teach in the public schools of North Carolina, makes available a loan up to \$350 a year. Students with good high school or college records may be eligible for a loan for each of four years. One annual loan is automatically canceled for each year that the student teaches in the public schools of North Carolina. If the student does not teach, the loan must be repaid at 4 per cent interest. For application forms, interested students should write directly to the State Department of Public Instruction, Raleigh, North Carolina.

Rhododendron Loan Fund of \$2,500 was established by **The Rhododendron**, the college annual.

Student Loan Fund of approximately \$5,000 was donated over a period of years by graduating classes.

W. J. Waters Graduate Loan Fund of \$500 was donated in 1958 by W. J. Waters, alumnus of Appalachian, for graduate students only.

ACADEMIC REQUIREMENTS AND REGULATIONS

Appalachian operates on the quarter system with the regular college year divided into three quarters. The summer session is divided into two six-week terms. Students receive course credit toward graduation on the basis of quarter hours.

The College awards the Bachelor of Science degree and the Master of Arts degree.

Requirements for the Bachelor's Degree

The degree of Bachelor of Science is conferred upon students who have:

1. Completed 195 quarter hours with at least 390 quality points, one to two ratio, with each additional quarter hour requiring two additional quality points.
2. Complied with specific course distribution and requirements.
3. Satisfied residence requirements.
4. Attended college Assembly in accordance with regulations.
5. Demonstrated proficiency in written and spoken English.
6. Taken the National Teacher Examination.
7. Settled all college accounts and returned all equipment and books.
8. Proven satisfactory citizenship in the college community.

Requirements for the Master's Degree

See Graduate Studies, page 54.

Standards of Scholarship

In all work done for the degree scholarly performance is expected. The student is expected to demonstrate academic competency, intellectual honesty and responsibility, a willingness to do more than the minimum required, the ability to think critically and constructively.

THE CURRICULUM

For the Bachelor of Science degree, each student shall meet the following requirements. These requirements apply to all students entering as freshmen in June or September, 1962 and after.

General Education	85
A. Communication Arts	13
This requirement is met by completing English 101, 102, 103 or satisfactory proficiency; Speech 101 or satisfactory proficiency; Education 010.	
B. Humanities	15
This requirement is met by completing English 201, 202, 203 or equivalent, and six hours from two of the following: Fine Arts (Art 217, Music 217); Philosophy and Religion (Philosophy 201, 202, 203, 302, Religion 201, 203); Foreign Language.	
C. Social Science	21
This requirement is met by completing History 101, 102, 103, 201, 202, and six hours from two of the following areas: Anthropology 210, 310; Economics 200; Geography 101, 102; Political Science 201, 304, 310; Sociology 201, 202.	

D. Science	18
This requirement is met by completing Physical Science 101-102-103, or a year course in Chemistry or Physics; and Biology 101-102-103 or Biology 104-105-106.	
E. Mathematics	9
This requirement is met by completing Mathematics 101-102-103 or 107-108.	
F. Psychology	3
This requirement is met by completing Psychology 201.	
G. Physical Education Activity	6
TOTAL	84

Note: A major in Music is accepted as satisfying one three hour requirement in Fine Arts. For a Music major Music History, 304-305-306, may be substituted for History 101-102-103 or 201-202 and one Social Science requirement.

Specialization

To provide intensive and specialized work, a student should elect by the end of the freshman year a department in which he will do major work. For the degree a student must present a major of not less than thirty-six quarter hours. Specific requirements for each departmental major preface the courses offered by the department.

The College offers instruction in the following major fields: Art, Biology, Business Education, Chemistry, Elementary Education, English, French, Health and Physical Education, Home Economics, Industrial Arts, Library Science, Mathematics, Music, Physics, Social Science, Spanish, Speech.

Professional Education

For graduation the College requires the following professional courses in Education and Psychology.

	Quarter Hours
Education 301, 302	6 or 9*
Psychology 301, 302, 303	9
Methods course or courses	3-9
Education 404, 405 or 407	15
TOTAL	33-42

Residence

A student must spend at least the senior year (three quarters) in residence at the College and complete a minimum of forty-five quarter hours with at least an average grade of C.

Credits that have been earned more than ten years prior to the date of graduation will be reevaluated if and when they are submitted to fulfill degree requirements.

English, Speech, and Reading Proficiency

Students are expected to demonstrate proficiency in the use of written and spoken English and in reading. In the sophomore year students will be required to take tests on the fundamentals of written English, speech, and reading to prove proficiency. Students who do not perform satisfactorily on the tests will be required to do additional work in English, speech, and reading. The removal of the deficiency is prerequisite to graduation.

*Also Education 303 for majors in Elementary Education.

Assembly

For graduation a student must attend college Assembly for each quarter of residence in the regular session until sophomore classification, for which he will receive one-third of an hour credit each quarter.

Registration

Students are expected to register at the time specified on the college calendar. Registration schedules will be announced, and registration materials will be available in the office of the Registrar. A fee will be charged for late registration.

Academic Load

A student normally takes from fifteen to eighteen hours a quarter. A student who has established an average grade of *B* or better on at least fifteen hours in the preceding quarter with no grade less than *C* may by permission of the Dean of the College and the Registrar take a maximum of twenty-two hours a quarter. A freshman may not carry more than eighteen hours during the first quarter of residence. Registration for less than twelve hours places the student on part-time status.

Courses Repeated for Credit

When a course is repeated, the last grade will be counted in determining the student's hour-quality point average, although all grades will remain on the student's record.

Extension and Correspondence Credit

Not more than forty-five quarter hours of correspondence and/or extension work may be credited toward meeting the requirements for graduation.

Change of Course

With the approval of the Registrar a student may drop or add courses or change sections until the close of registration. If the change is other than routine, the approval of the student's faculty adviser will be required.

After the close of registration a student may not add a course. A student may not drop a course or change a section without the recommendation of his faculty adviser and the approval of the Dean of the College.

Any student who has official permission may drop a course within two weeks after the close of registration and receive a grade of "DR." No quality points or hours will be counted for a grade of "DR."

Any course officially dropped more than two weeks after registration closes will be assigned a grade of "DRP" or "DRF" depending on whether the student was passing or failing. If the grade is "DRP" the hours will not be counted; if the grade is "DRF" the hours will be counted. Courses dropped at any time without permission will be recorded as "F" and the hours will be counted.

A student pays a fee of one dollar (\$1.00) for each change not initiated by the College.

Class Attendance

A student is expected to attend every meeting of his classes and not to absent himself without adequate reason. The Dean of the College will approve excuses only for college-sponsored activities, illness certified by a physician or the college

nurse, death or extreme hardship in the immediate family.

Instructors will report all excused and unexcused absences for each student to the Registrar at the end of each quarter.

Withdrawal from College

A student who wishes to withdraw from the College for any reason must make arrangements with the Dean of the College prior to withdrawal. Permission from the parents or guardian of a minor student to withdraw is required.

Students who withdraw officially from the College will receive grades of "W" and hours will not be counted. Students who withdraw unofficially from the College will receive grades of "F" and hours will be counted.

Examinations

It is the policy of the College to require final examinations in all courses. Final examinations are held during the final week of the quarter. After the schedule for examinations has been made, instructors may not change the date of an examination without the written permission of the Dean of the College. Nor may a student take an examination outside of the scheduled time except by permission of the instructor of the course and the Dean of the College, and then only in the case of extreme emergency.

Special Examination

A student who is absent from a final examination because of an emergency will take the make-up examination at the convenience of the instructor and with the approval of the Dean of the College.

Reports

Final quarter grades are reported to the office of the Registrar not later than forty-eight hours after the examination in the course is given. Each instructor will post the grades of his students. At the end of each quarter a report of the student's grades is sent to his parents or guardian.

Grades and Quality Points

At the end of each quarter grades are given in each course by letters which indicate the quality of work done by the student.

A—Excellent—4 quality points per quarter hour.

B—Above Average—3 quality points per quarter hour.

C—Average—2 quality points per quarter hour.

D—Below Average but Passing—1 quality point per quarter hour.

F—Failure—0 quality points (May not be made up except by repeating the course).

I—Incomplete—Because of sickness or some other unavoidable cause. An *I* becomes an *F* if not removed within one year.

X—Condition—Grade withheld pending the completion of some required work.

W—Withdrawn—Official permission to drop out of College.

DR—Courses dropped with permission within two weeks after registration closes.

DRP—Courses dropped with passing grades more than two weeks after registration closes. Hours are not counted.

DRF—Courses dropped with failing grades more than two weeks after registration closes. Hours are counted.

All official "Drops" and "Withdrawals" will be recorded on change cards, which when completed and approved must be filed in the Registrar's Office.

Quality point averages are determined by dividing the total number of quality points by the number of hours *attempted*. The averages are expressed in ratio. A ratio of 2.00 indicates that the student has an average of C; above 2.00 indicates that he has an average above C; below 2.00 indicates that he has an average below C. Only work taken at Appalachian State Teachers College is included in computing quality point average. The minimum quality point average for graduation is 2.00 or an average grade of C.

Classification

At the end of each quarter students are classified on the basis of quarter hours and quality points earned. All students who are admitted as regular first-year students or who have completed less than forty-five quarter hours will be classified as freshmen.

Students who have completed at least forty-five quarter hours with a quality point average of at least 1.65 will be classified as sophomores.

Students who have completed at least ninety quarter hours with a quality point average of at least 2.00 will be classified as juniors.

Students who need not more than fifty-one quarter hours and 102 quality points to be graduated will be classified as seniors.

Academic Suspension

A student who does not pass twelve quarter hours of work in any quarter is not eligible to register for the following quarter without special permission from the Dean of the College in harmony with rules and regulations established by the Committee on Readmissions and Academic Discipline.

A student who has been in attendance at college for as many as three quarters and not more than six quarters and who has a quality point ratio below 1.65 will not be eligible to register for the fall, winter, or spring quarter until he has removed his academic deficiency.

A student who has been in attendance for as many as six quarters and who has a quality point average below 2.00 will not be eligible to register for the fall, winter, or spring quarter until he has removed his academic deficiency.

A student whose quality point average drops below the requirement at the end of any one quarter may be suspended or may be placed on academic probation for the following quarter only.

A student with an academic deficiency may apply to the Dean of the College to attend summer school, or apply to the Registrar to take courses by correspondence or at some other accredited college.

Honors

To encourage high scholarship, the College officially recognizes students who distinguish themselves in scholarship.

Honors Day

Honors Day is observed in a Convocation of students and faculty during the spring quarter with an address by a distinguished speaker. The printed program contains the names of all students qualifying for scholastic honors, and each honor student is awarded a certificate.

Alpha Chi, a national scholarship fraternity, is open to not more than the top ten per cent of the junior and senior classes who have a quality point average of not less than 3.25.

Dean's List

At the end of each quarter a student who has taken at least fifteen hours and has achieved a quality point average of at least 3.00 on all work attempted with no grade below *C* and with no "Incomplete" or "Condition" will be placed on the Dean's List.

Honor Teaching

A student who shows exceptional initiative, scholarship, and excellence in student teaching may be designated and recognized as an Honor Teacher. The honor will be entered on his official college record.

Graduation with Honors

A student who has an average of 3.00 quality points or above on work presented for graduation will be graduated *cum laude*. A student who has an average of 3.50 quality points or above on work presented for graduation with no grade below *C* will be graduated *magna cum laude*. The student who has the highest quality point average in his class will be graduated *summa cum laude*.

National Teachers Examination

Candidates for the Bachelor of Science degree are required to take the Common Examination of the National Teacher Examinations. Also all majors are required to take the Option Examination in their fields. The fees charged will be those of the Educational Testing Service, Princeton, New Jersey.

Graduation

Degrees are conferred at the close of the spring and summer quarters. Candidates for degrees must file application for degrees and North Carolina certificates on blanks provided by the Registrar before the end of the quarter immediately preceding the last quarter in residence. At the time of filing the application all requirements except current work should be completed.

All candidates for degrees at any commencement are expected to be present to receive their degrees in person unless excused by the Dean of the College.

Summer Session

The summer session is divided into two six-week terms and four two-week terms. Regular undergraduate and graduate courses are offered during the six-week terms and special short courses for teachers are offered during the two-week terms.

The primary purpose of the College in the summer session is to provide opportunities for students to accelerate their progress toward degrees by attending college year round. Consequently, the schedule of classes in the summer is designed especially for recent high school graduates who desire an early start with their college programs, undergraduate students from Appalachian and other colleges and universities who desire to accelerate their programs, and teachers and other educators who desire to advance professionally.

The schedule of courses to be offered during the summer is published as a part of the summer session bulletin in March of each year. Copies of the bulletin or information about the summer session may be had by communicating with the Director of Summer Sessions, Appalachian State Teachers College, Boone, North Carolina.

Student Teaching

During the fall, winter, or spring quarter of the senior year each student is expected to do student teaching in the field for which he has been preparing. This work will consist of full-time teaching under the guidance of a competent and experienced teacher. The student will spend full time in the school where he does his student teaching and his formal teaching load will be gradually increased until he has an opportunity to carry from one-half to all of the teaching load of his supervising teacher. Student teaching provides the student professional laboratory experiences in the same activities in which the regular teacher engages. In addition to the regular classroom teaching activities the student will experience and share in the extra-curricular activities of the school, community activities, professional activities such as faculty meetings, routine activities, such as making reports, and meeting and working with parents.

The assignment of a student to a particular school or laboratory situation will be based upon the needs, interests, and abilities of the individual student, and the characteristics of the particular school.

Student teaching assignments in off-campus schools will conform to the local schedule with reference to the Thanksgiving, Christmas, and Easter holidays. Student teachers who will graduate at the end of their student teaching experience will be given one day off during the quarter to complete arrangements for graduation at the college. Graduating seniors assigned to student teaching in the spring quarter will be released on the Tuesday preceding the annual spring closing.

Conditions Prerequisite to Student Teaching

The following requirements must be met prior to student teaching:

1. Application must be filed not later than November 26 preceding the school year, September 1 to August 31, in which the student expects to do student teaching.
2. Completion of two-thirds of all required content work in general education and fields of concentration. However, students who are trying to graduate in three calendar years and who need to do student teaching in the fall quarter may register for the work in the ninth quarter. Other students will have full senior classification.
3. Completion of Education 301-302-303, Psychology 301-302-303, Education 403, and Education 401 or 402 for elementary candidates; Education 301-302, Psychology 301-302-303, and required methods course or courses for secondary and special subject candidates.
4. Completion by the end of the junior year of all courses required during the freshman and sophomore years.

The following requirements must be met one quarter in advance of student teaching; that is, the assignment for the spring quarter would be based on the status of a student at the end of the fall quarter.

1. A quality point average of 2.00 both in his over-all program and major fields.
2. Removal of all "Incompletes," "Conditions," and "Failures" on required courses. When student teaching constitutes the only remaining requirement for graduation, a student's case will be considered on its merits.

General Information

1. Each student must be approved for student teaching by the department(s) in which he is majoring and by the department of Education. If in the judgment of these departments a student can not receive favorable recommendations, his placement will be deferred until reconciliation can be reached.
2. The Student Teaching Committee will not approve students who in their judgment will be ineffective as teachers because of physical, moral, or social characteristics.
3. Each applicant must give full time, one quarter, to student teaching.

Teacher Certification

All transcripts showing graduation with the Bachelor of Science degree bear this notation:

This is to certify that (name) has satisfactorily completed the regular National Council for Accreditation of Teacher Education accredited program of this institution for the preparation of teachers and that (he or she) is specifically prepared to teach (subject). This applicant has met all other appropriate standards of this institution which are required for full recommendation for teaching.

This notation on the transcript entitles an Appalachian graduate to receive an *A* certificate in the field specified in eighteen states, regardless of individual state requirements.

GRADUATE STUDIES

History

Graduate study leading toward the Master's degree was first offered at Appalachian State Teachers College during the summer of 1942 with fifty-one students enrolled in graduate courses. During the summers of 1942-47 graduate work offered was on a cooperative basis with the University of North Carolina, with that institution giving full credit toward the Master's degree. Beginning with the summer of 1948, Appalachian accepted qualified students as candidates for the Master of Arts degree. On February 26, 1949, graduate study at Appalachian was approved by the American Association of Colleges for Teacher Education.

Graduate Studies, organized to provide facilities for advanced study leading to the Master of Arts degree, offers programs of graduate work during the summer session and the three quarters of the regular session. A maximum of nine quarter hours may be earned in a six-week summer term and fifteen quarter hours in a quarter in the regular session.

Objectives

The primary objective of Graduate Studies is to add to the competency of teachers and other educational workers. Each course offered is justified in terms of the contribution which it makes toward a realization of the general aim of the program and the specific objectives of the individual student. Both functional and scientific in their approach, the objectives of Graduate Studies are to prepare master teachers, supervisors, and administrators. Accordingly, work leading to the Master of Arts degree is designed to prepare teachers for the following types of positions: Superintendent, Principal, General Supervisor, Supervisor of Student Teaching, School Librarian, Secondary School Teacher, Elementary School Teacher, School Counselor, School Musician, Reading Specialist, Audio-Visual Specialist, Junior College Teacher.

Requirements for Admission

Admission to graduate study is based on the following:

1. A baccalaureate degree from a college or university of recognized standing.
2. An undergraduate background appropriate for graduate study in the proposed field. If the student intends to become a candidate for the Master of Arts degree with a major in Education, he must present a minimum of twenty-seven hours of undergraduate credit in Education and related courses. For prerequisites in his academic field, he should consult the chairman of the graduate advisory committee in that field.
3. An undergraduate academic average of at least C+. A student with a lower academic average may, with the permission of the Graduate Council, register for advanced work and upon the satisfactory completion of one quarter of work may make application for admission to graduate study.
4. An application for admission made on a special form, obtainable on request, and submitted with a complete transcript of all previous college work, unless done at Appalachian, at least one month before the candidate plans to begin graduate study. The application for admission must be accompanied by an application fee of five dollars, which is not refundable.
5. Two reference ratings, one of which must be from a college administrator or the head of the department in the candidate's undergraduate major field of study.
6. Freedom from serious physical, personality, or speech defects.

7. Approval of the chairman of the department or division in which he intends to major.
8. A record of successful teaching experience or satisfactory completion of student teaching, except for those planning to prepare for junior college teaching.
9. Unless he intends to prepare for teaching in a junior college, an applicant must hold, or be eligible to hold, a North Carolina *A* teaching certificate in his chosen field or the comparable certificate in another state.
10. A candidate for a bachelor's degree who lacks not more than twelve quarter hours of undergraduate work may take graduate courses to make a total of not more than fifteen quarter hours in a twelve-week term.

Admission Status

Regular. Regular admission to Graduate Studies is granted to students who meet the established requirements for entrance.

Provisional. A student who does not have all the prerequisites for admission, or who has deficiencies, but is otherwise admissible may enter on a provisional basis.

Probationary. A student who does not meet established requirements for admission but who supplies sufficient evidence to show that he is capable of doing satisfactory graduate work may be admitted on a probationary basis for one quarter. If his work is satisfactory, he may then be permitted to apply for admission to candidacy for the Master's degree.

Certification. A student who does not plan to work for the Master's degree may be permitted to register for graduate courses to be used for renewing his certificate or changing his certification pattern. Such work, however, may not later be applied toward the degree. Unless the student already holds the Master's degree, he is normally encouraged to apply for admission in order to assure a dual use of his graduate credits.

Transient. A student enrolled in another recognized graduate school may be permitted to register for a limited number of graduate credits at Appalachian provided the dean of the graduate school in which he is enrolled submits a statement that he is in good standing.

Requirements for Admission to Candidacy for the Master's Degree

Admission to graduate study does not carry with it admission to candidacy for the Master's degree. Admission to candidacy for the degree is acted upon after one quarter of graduate study in the College.

1. Admission to candidacy is contingent upon the recommendation of the applicant's advisory committee and the approval of the Graduate Council.
2. Before being accepted as a candidate for the degree, an applicant will be expected to have:
 - a. Given evidence of personal and professional fitness to become a candidate for the Master's degree.
 - b. Attained a satisfactory level of competency through pre-service or in-service teaching experience.
 - c. Demonstrated ability to do satisfactory and creditable work at the graduate level. A student must have at least a *B* average at the time his application for candidacy is presented.

3. Before filing application for admission to candidacy, the applicant shall have taken the Miller Analogies Test and the Common and the Option in his academic area of the National Teacher Examinations. Admission is contingent upon acceptable scores. The cutoff scores are 30, 520, and 55 respectively.
4. Each student shall file with the chairman of his advisory committee an application for admission to candidacy before the end of the quarter in which he will complete twelve quarter hours of graduate credit at Appalachian. Forms for this purpose may be obtained from the office of the Director of Graduate Studies. At the time the application is presented to the Graduate Council, the student shall have completed the research course required in his major field and at least one other course in his major field. In all cases the student must present at least fifteen quarter hours after he is admitted to candidacy.
5. The application for admission to candidacy shall be accompanied by a proposed program of study approved by the applicant's advisory committee and the Director of Graduate Studies. Normally, the program of study will include a major of not less than thirty-three quarter hours in Biology, Business Education, Chemistry, Counseling, Education, English, Industrial Arts, Library Science, Mathematics, Music, Physical Education, or Social Studies, and a minor of not less than nine quarter hours in Education if the proposed major is in a field other than Education.
6. Except for those preparing to teach in junior college, students are required to present a minimum of twenty-seven quarter hours of undergraduate credit in Education and related courses. The applicant's academic field shall be based upon a prerequisite of an undergraduate major in that field. Persons preparing in primary or elementary education, however, may spread the academic major over as many as four fields, provided a minimum of twenty-one quarter hours is offered in one of the academic fields.

Requirements for Graduation

The degree of Master of Arts may be conferred upon a student who has completed with high credit the program of work submitted to the Graduate Council at the time his application for admission to candidacy was approved. The candidate may, with the approval of his advisory committee and the Graduate Council, elect not to write a thesis. Hence, either of two programs for the degree may be followed.

WITH THESIS:

1. Thirty-nine acceptable quarter hours of graduate course work, exclusive of the thesis, completed in residence at Appalachian.
2. A minimum residence of one academic year or its equivalent in summer sessions.
3. A thesis in the major field of interest, for which the candidate shall register for credit not exceeding six quarter hours.
4. All graduate credit offered for the degree must have been earned within a limit of six calendar years. By special permission of the Graduate Council, however, a student may validate by examination credit earned within a limit of ten calendar years. All work to be credited toward the degree, except that being taken currently, must be completed and grades recorded at least four weeks before the degree is awarded.
5. Not more than fifteen quarter hours offered toward the degree may be senior-graduate credit.
6. Grades on course work may not average lower than *B*. No graduate course with a grade below *C* will be credited toward the degree.
7. An acceptable performance on a comprehensive examination, either oral or written or both, on the major field is required of every candidate for the degree

who began his graduate work after September 1, 1960. The comprehensive must be scheduled during the last one-third of the residence period and at least ten calendar days prior to the date on which the candidate receives the degree.

WITHOUT THESIS:

1. Fifty-four acceptable quarter hours of graduate course work, forty-five of which must be completed in residence at Appalachian. A candidate may, with the permission of his advisory committee and the approval of the Graduate Council, offer up to nine quarter hours of resident graduate credit from another graduate school or nine quarter hours of graduate extension credit from Appalachian, but in no case may the residence at Appalachian be less than one academic year.
2. A minimum residence of forty-two weeks or its equivalent in summer sessions, except that up to six weeks of residence may be waived if as much as nine hours of extension credit or transfer credit is accepted toward the degree.
3. All graduate credit offered toward the degree must have been earned within a limit of six calendar years, or, if earned within a limit of ten years, validated by examination.
4. For candidates majoring in Education, not more than eighteen quarter hours offered toward the degree may be senior-graduate credit. For candidates completing an academic major of thirty-six hours or more, up to twenty-four hours of senior-graduate work may be approved, provided that not more than eighteen quarter hours of it is offered in the major.
5. Grades on course work may not average lower than *B*. No graduate course with a grade below *C* will be credited toward the Master's degree.
6. An acceptable performance on a comprehensive examination, either oral or written or both, on the major field is required of every candidate for the degree who began his graduate work after September 1, 1960. The comprehensive must be scheduled during the last one-third of the residence period and at least ten calendar days prior to the date on which the candidate receives the degree.

THESIS

The subject of the thesis must be within the major field. The thesis should show:

1. Ability of the candidate to work independently on an approved problem.
2. A reasonably wide familiarity with the literature of the field of specialization.
3. A practical working knowledge of research methods.
4. Conclusions supported by data.

The student must have presented a prospectus to his advisory committee and received approval of his proposed topic before he is permitted to register for the thesis. Normally, the candidate's advisory committee will constitute his thesis committee, but the chairman of the advisory committee may appoint any member of the graduate faculty of his staff to act as chairman of the thesis committee and to supervise the writing of the thesis.

The latest edition of Campbell's *Form Book for Thesis Writing* is the approved guide for form. With the approval of the Director of Graduate Studies and the thesis committee, the form may be varied to meet the requirements of publishers if the manuscript is to be printed.

At least four weeks (two weeks in the summer session) before he is scheduled to defend his thesis before his examining committee, the candidate must submit a preliminary copy to each member of his committee. Within ten days (five days

in the summer session), other members of the committee shall return the thesis to the chairman of the thesis committee with written criticisms and statements of conditional or tentative approval.

Prior to seven calendar days (five in the summer session) before he expects to receive his degree, the candidate will defend his thesis in an oral examination by his committee.

Immediately after approval by the thesis examining committee, four typewritten copies of the thesis, the original and the first three carbons, must be filed in the College Library, together with the costs of having them bound.

Four copies of the approval sheet must be prepared by the student. One copy is bound with each copy of the thesis.

Four copies of an abstract of the thesis must be filed with the thesis after the abstract has been approved by the chairman of the thesis committee. The abstract, not to exceed two typewritten pages, shall give the problem, the procedure, and the conclusions reached in the thesis.

Application for the Degree

The graduate student must file with the Director of Graduate Studies an application for the Master's degree the first week of his final registration period. The application form may be secured from the Graduate Office. If he wishes to apply for a certificate to teach in North Carolina, the candidate must also file an application for a certificate. This form, too, may be secured from the Graduate Office.

Degrees not Conferred in Absentia

Candidates for the Master of Arts degree are expected to be present at any commencement to receive their degrees in person unless excused in writing by the Director of Graduate Studies.

Fellowships and Assistantships

Appalachian offers approximately seventy fellowships and assistantships for the regular session. Six research fellowships carrying stipends of \$1000 each are available to qualified applicants. Half-time fellows and assistants will devote twenty-four hours a week to laboratory instruction or other service to the college. Third-time and quarter-time assistants given proportionately less time to their assistantships. Assistants receive annual stipends of \$1200, \$900, and \$450 respectively and are permitted to carry a quarterly academic load of nine, twelve, and fifteen quarter hours depending upon the classification of the assistantship.

Teaching fellowships are available in the Laboratory Schools and in the College. Departments in which fellows and assistants may work are Biology, Business Education, Chemistry, Education, English, Industrial Arts, Library Science, Mathematics, Music, Physical Education, and Social Studies. In addition, eight dormitory counselorships are available.

For the preparation of junior college teachers Appalachian offers a two-year program which combines graduate study with supervised college teaching and leads to the Master of Arts degree and one year of college teaching experience in any one of the following fields: Biology, Business Education, Chemistry, Education, English, Mathematics, Music, Physical Education, and Social Studies. Five appointments in this program are maintained each year. An applicant is required to have at least an average of B on his undergraduate work. Teaching experience is desirable. The junior college teaching fellow receives a stipend of \$3,100 paid on the basis of \$1,000 during the first year and \$2,100 during the second.

Anyone wishing to apply for an assistantship or a fellowship should write the Director of Graduate Studies for an application form and return it properly filled

out, and should submit a complete transcript of his college work not later than July 1. Applications for fellowships are considered after applicants have been approved for admission to Graduate Studies.

Loans

Graduate students who have been admitted to candidacy for the degree are eligible to apply for loans not exceeding \$200 a quarter. Preference for these loans, most of which are made available through the National Defense Education Act, is given to graduate students who do not hold fellowships or assistantships. Applications for loans should be submitted to the Chairman of the Committee on Student Scholarships and Financial Aid at least one month before the money is needed.

Internships

In addition to internships in junior college teaching, qualified applicants may serve internships in school administration and in supervision of student teaching. To be eligible for an internship an applicant must:

1. Hold a valid North Carolina A certificate or better.
2. Have successfully completed three or more years of teaching with at least one year in the school system in which he plans to do his internship.
3. Have the recommendation of his principal and/or superintendent.
4. Have been admitted to candidacy for or hold the Master's degree.

The following administrative policy governs internships:

1. An applicant for an internship must be working within a reasonable distance of the College.
2. The number of registrants for Education 540 is limited.
3. The intern must work under fully certified supervision.
4. The supervisor must express a willingness to supervise the work and provide the experiences necessary for the intern.
5. No supervisor may be an intern at the time that he is supervising the work of another intern.

An internship in the supervision of student teachers is available to supervising teachers who have successfully supervised at least one student teacher during the past two years. The program, designed to permit teachers to participate while regularly employed in a school system, carries three hours of credit during the college quarter. Further details of this program may be secured from the Office of Student Teaching.

Expenses per Quarter

It is the purpose of the College to hold expenses to the minimum. The charges for one quarter in Graduate Studies are as follows:

	RESIDENTS OF NORTH CAROLINA	NON-RESIDENTS OF NORTH CAROLINA
Registration	15.00	15.00
Library Fee	3.00	3.00
Tuition	55.00	140.00
Cafeteria Meals (minimum)	75.00	75.00
Room (standard)	39.00	39.00
Room (with private bath)	48.00	48.00
Student Welfare and Activities	19.25	19.25
Laundry and Dry Cleaning (minimum)		
Men	12.00	12.00
Women	9.00	9.00
Special Examinations		
Miller Analogies Test	2.00	2.00
National Teacher Examination	9.00	9.00

The application for admission must be accompanied by an application fee of five dollars, which is not refundable.

Graduate students purchase their textbooks and supplies.

Extension Classes

Based upon requests from the administrators of school systems in northwestern North Carolina, Appalachian offers in-service courses for teachers and other personnel. The course is given at a central place in the school unit which has requested the in-service training. For graduate students who register for extension work, up to nine quarter hours of graduate credit may be counted toward the Master's degree. Extension work applied toward the degree will not reduce the minimum residence requirements of thirty-six weeks, but it can be used to replace the six weeks of additional residence required of students who do not write a thesis. The cost of extension work, including tuition and fees, is \$30.00 for three hours.

Saturday and Evening Classes

Appalachian also schedules Saturday graduate courses on campus during the fall and spring quarters. By attending Saturday classes during any one quarter, the graduate student may earn six hours of graduate credit and six weeks of residence. As much as eighteen quarter hours of credit earned in Saturday classes may be applied toward the Master's degree. The cost of Saturday work, including tuition and fees, is \$30.00 for three quarter hours and \$42.00 for six hours. Books and supplies cost approximately \$15.00. Ordinarily, a student should not register for more than three hours of Saturday work at any one time.

Registration

Graduate students register at the time specified on the college calendar. Initial registration is contingent upon the receipt and approval of transcripts of all work completed in other institutions. Registration material is provided by the office of Graduate Studies. A fee will be charged for late registration. See Special Fees.

Full-Time Resident Student

For full-time resident credit a student must be registered for a minimum of twelve quarter hours (six in summer term) unless he is a graduate fellow or assistant. In no case may a graduate student register for more than fifteen hours a quarter or nine for a summer term.

Auditors

Regular fees are charged for auditing. A student may register as an auditor for a course with the consent of the instructor and the Director of Graduate Studies. Classes audited shall count as part of the student's load, but he will receive no credit and no grade will be assigned. An auditor is expected to be regular in class attendance but may not participate in class discussions unless he is invited to do so. He is not required to take tests and examinations.

Unclassified Graduate Students

A student doing graduate work but who has not applied for admission to Graduate Studies and who is not working on a definite program of graduate study

leading to the Master's degree will not be able later to count such work as fulfilling course requirements for the degree.

Employed Students

Public school teachers employed on a full-time basis may not take more than six quarter hours during any one quarter or a total of twelve quarter hours from September 1 to June 1. A full-time college instructor may not take more than three quarter hours during one registration period.

Independent Study

With the approval of the instructor, the department chairman, and the Director of Graduate Studies, a graduate student who has been admitted to candidacy may register for independent study. Students registered for independent study must be scheduled for regular conference periods at least weekly. As much as six quarter hours of independent study may be applied toward the degree.

Changing Majors

A student who has been approved by one department but who wishes to change to another must have the approval of the Director of Graduate Studies and of the department into which he proposes to transfer before the change may be made.

Student Responsibility

The graduate student is entrusted with the responsibility for his own progress. He keeps an up-to-date record of the courses he has taken in his proposed program and checks periodically with the chairman of his advisory committee. Responsibility for errors in his program or in interpretation of regulations rests entirely with the student.

Library Carrels

Library carrels are available to graduate students who are working on theses and special research projects. Applications for carrels are made on a quarterly basis to the Librarian.

Grades

The College grading system—*A*, *B*, *C*, *D*, *F*, and *I*—is used to report the quality of credit. Graduate credit accepted in fulfillment of the requirements for the Master's degree shall average not lower than *B*, and no credit toward the degree shall be granted for a grade below *C*. Course work reported "Incomplete" must be completed within a year of the official ending of the course. A graduate student is permitted to repeat not more than one course in order to improve his grade. A grade of *F* is assigned to a student who arbitrarily discontinues meeting a class or who withdraws without making proper arrangements with the Director of Graduate Studies and the Dean of the College.

Changing Grades

Once an instructor has reported a grade to the Registrar, it cannot be changed except in case of error in reporting or recording. Any change made must also be reported to the Director of Graduate Studies.

Suspension and Dismissal

Appalachian reserves the right to exclude at any time a graduate student whose conduct is deemed improper or prejudicial to the best interest of the College.

A graduate student who fails to maintain grades of at least *B* in the courses for which he is registered in any term may not be permitted to re-register as a

candidate for the Master's degree. However, a student may petition the Director of Graduate Studies for consideration of extenuating circumstances which may constitute a justifiable exception to this regulation. If the Director of Graduate Studies approves, the student may be permitted to register at his own risk for an additional quarter.

Graduate Advisers

A student working toward the Master of Arts degree should confer with the adviser designated for his particular subject and have his courses and their sequence approved before registering.

Audio-Visual	John A. Pritchett, Jr.
Biology	F. Ray Derrick
Business Education	Orus Sutton
Chemistry	W. G. Sink
Counseling	J. Edward Harrill
English	G. P. Eggers
Grammar Grade Education	Lee F. Reynolds
Industrial Arts	David A. Rigsby
Junior College	Cratis D. Williams
Library Science	Ila M. Justice
Mathematics	Paul Sanders
Music	William G. Spencer
Physical Education	Marshall L. Walters
Primary Education	Isabel Jones
Reading Specialist	Uberto Price
School Administration and Supervision	William E. Fulmer
Social Studies	Julian Yoder

Graduate Offerings

Courses which have been approved for graduate credit by the Curriculum Committee and by the Graduate Council constitute the graduate offerings. Majors are provided in Audio-Visual Education, Biology, Business Education, Chemistry, Counseling, English, Elementary Education, Industrial Arts, Junior College Education, Library Science, Mathematics, Music, Physical Education, Secondary Education, School Administration, School Supervision, Supervision of Reading, Supervision of Student Teaching, and Social Studies.

Tentative Programs of Instruction

If a student elects not to write a thesis, he will, with the assistance of his advisory committee, select five courses in lieu of the thesis, which may be in Education, an academic field, or both, depending on the student's needs.

After 1965 an academic major will be required of the candidate preparing to teach in secondary schools. Two-thirds or more of the work of candidates preparing to teach in elementary or junior high schools will be in academic areas.

School Administrators

Prerequisites: A North Carolina "A" certificate or its equivalent from another state; a minimum of three years of successful teaching experience.

Foundations

EDUCATION 500. RESEARCH IN EDUCATION	3
EDUCATION 490. SOCIAL FOUNDATIONS	3
EDUCATION 491. PHILOSOPHICAL FOUNDATIONS	3

Administration

EDUCATION 501.	PUBLIC SCHOOL ADMINISTRATION	3
EDUCATION 502.	ORGANIZATION AND ADMINISTRATION OF SECONDARY SCHOOLS	3
EDUCATION 504.	ORGANIZATION AND ADMINISTRATION OF ELEMENTARY SCHOOLS	3

Curriculum and Supervision

EDUCATION 505.	SUPERVISION OF INSTRUCTION	3
EDUCATION 506.	CURRICULUM CONSTRUCTION	3

Internship

EDUCATION 540.	INTERNSHIP IN SCHOOL ADMINISTRATION	6
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Related Discipline 9

Courses to be selected in conference with student's advisor for the purpose of gaining competence in academic areas related to educational administration.

Electives15

Courses to be selected in conference with student's advisor for the purpose of gaining competence in academic or professional areas related to educational administration.

General Supervisor

EDUCATION 500.	RESEARCH IN EDUCATION	3
EDUCATION 502.	ORGANIZATION AND ADMINISTRATION OF SECONDARY SCHOOLS	3
OR		
EDUCATION 504.	ORGANIZATION AND ADMINISTRATION OF ELEMENTARY SCHOOLS	
EDUCATION 505.	SUPERVISION OF INSTRUCTION	3
EDUCATION 506.	CURRICULUM CONSTRUCTION	3
EDUCATION 517.	COUNTY AND CITY SCHOOL SUPERVISION	3
PSYCHOLOGY 500.	PSYCHOLOGY OF THE CHILD	3
PSYCHOLOGY 528.	PSYCHOLOGY OF LEARNING	3
LIBRARY SCIENCE 467.	CORRELATING TEACHING WITH THE LIBRARY	3
ACADEMIC MINOR		18
EDUCATION 550.	MASTER OF ARTS THESIS	6
OR		
ELECTIVES		15

Supervisor of Student Teaching

A supervisor must qualify for graduate certification as either an elementary or secondary teacher. The program must include Education 505, 515, and 516.

ACADEMIC 500.	BIBLIOGRAPHY AND RESEARCH	3
EDUCATION 505.	SUPERVISION OF INSTRUCTION	3
EDUCATION 509.	USE AND INTERPRETATION OF TESTS AND MEASUREMENTS	3
EDUCATION 515.	ORGANIZATION AND SUPERVISION OF STUDENT TEACHING	3
EDUCATION 516.	ACTIVITIES AND TECHNIQUES OF SUPERVISION OF STUDENT TEACHING..	3
PSYCHOLOGY 500.	PSYCHOLOGY OF THE CHILD	3
OR		
PSYCHOLOGY 501.	PSYCHOLOGY OF EARLY ADOLESCENCE	3
PSYCHOLOGY 528.	PSYCHOLOGY OF LEARNING	3
OR		
EDUCATION 506.	CURRICULUM CONSTRUCTION	3
ACADEMIC MAJOR		33
ACADEMIC 550.	MASTER OF ARTS THESIS	6

Librarian

Prerequisite: A minimum of twenty-seven hours in Library Science.

LIBRARY SCIENCE 451.	ADVANCED BOOK SELECTION	3
LIBRARY SCIENCE 452.	ADVANCED BOOK SELECTION	3
LIBRARY SCIENCE 500.	USE OF MATERIALS WITH STUDENTS AND TEACHERS	3
LIBRARY SCIENCE 503.	READING INTERESTS AND GUIDANCE	3
LIBRARY SCIENCE	ELECTIVES	15
EDUCATION 475.	AUDIO-VISUAL MATERIALS AND TECHNIQUES	3
EDUCATION 478.	PRINCIPLES OF GUIDANCE	3
EDUCATION 500.	RESEARCH IN EDUCATION	3

EDUCATION 506. CURRICULUM CONSTRUCTION	3
EDUCATION 550. MASTER OF ARTS THESIS	6
OR	
ELECTIVES	15

The fifteen elective hours in Library Science may be taken from Library Science 450, 453, 454, 455, 501, 502, 504, 506, 507, 508, 509.

Elementary School Teacher

EDUCATION 500. RESEARCH IN EDUCATION	3
EDUCATION 506. CURRICULUM CONSTRUCTION	3
EDUCATION 509. USE AND INTERPRETATION OF EDUCATIONAL TESTS AND MEASUREMENTS	3
EDUCATION 511. INVESTIGATIONS IN READING	3
PSYCHOLOGY 500. PSYCHOLOGY OF THE CHILD	3
LIBRARY SCIENCE 467. CORRELATING TEACHING WITH THE LIBRARY	3
ACADEMIC CONCENTRATION	21
EDUCATION 550. MASTER OF ARTS THESIS	6
OR	
ELECTIVES	15

The academic concentration for elementary teachers may include work from one or more fields of study.

Secondary School Teacher

EDUCATION 506. CURRICULUM CONSTRUCTION	3
EDUCATION 509. USE AND INTERPRETATION OF TESTS AND MEASUREMENTS	3
EDUCATION 490. SOCIAL FOUNDATIONS	3
EDUCATION 491. PHILOSOPHICAL FOUNDATIONS	3
OR	
EDUCATION 535. PHILOSOPHY OF EDUCATION	3
PSYCHOLOGY 501. PSYCHOLOGY OF EARLY ADOLESCENCE	3
PSYCHOLOGY 528. PSYCHOLOGY OF LEARNING	3
LIBRARY SCIENCE 467. CORRELATING TEACHING WITH THE LIBRARY	3
ACADEMIC MAJOR	33
ACADEMIC 550. MASTER OF ARTS THESIS	6
OR	
ELECTIVES	15

Music Teacher and Music Supervisor

Prerequisite: A certificate in Music or the equivalent.

MUSIC 500. MUSIC OF BAROQUE AND CLASSICAL PERIODS	3
MUSIC 501. MUSIC OF THE ROMANTIC PERIOD	3
MUSIC 502. MUSIC OF THE TWENTIETH CENTURY	3
MUSIC 503. ADVANCED CONDUCTING	3
MUSIC ELECTIVES	15
EDUCATION 500. RESEARCH IN EDUCATION	3
EDUCATION 506. CURRICULUM CONSTRUCTION	3
EDUCATION 529. THE ORGANIZATION AND SUPERVISION OF SCHOOL MUSIC	3
EDUCATION 531. SEMINAR IN MUSIC EDUCATION	3
MUSIC 550. MASTER OF ARTS THESIS	6
OR	
ELECTIVES	15

School Counselor

Prerequisite: An A certificate; at least three years of successful teaching experience or equivalent; meet screening requirements.

EDUCATION 478. PRINCIPLES OF GUIDANCE	3
EDUCATION 490, 491 or 535, and 506	9
EDUCATION 500. RESEARCH IN EDUCATION	3
EDUCATION 509. USE AND INTERPRETATION OF TESTS AND MEASUREMENTS	3
EDUCATION 520. OCCUPATIONAL AND EDUCATIONAL INFORMATION	3
EDUCATION 522. TECHNIQUES OF COUNSELING	3
EDUCATION 523. ORGANIZATION AND ADMINISTRATION OF GUIDANCE SERVICES	3
EDUCATION 538. PRACTICUM IN COUNSELING	6
PSYCHOLOGY 450. PSYCHOLOGY OF PERSONALITY	3
PSYCHOLOGY 519. ANALYSIS OF THE INDIVIDUAL	3
PSYCHOLOGY 527. PSYCHOLOGICAL AND DIAGNOSTIC TESTING	3
PSYCHOLOGY 528. PSYCHOLOGY OF LEARNING	3
OR	
ELECTIVES IN SOCIAL SCIENCE	9

Junior College Teacher

EDUCATION 542. JUNIOR COLLEGE INSTRUCTION PROGRAM	3
EDUCATION 544. SEMINAR ON JUNIOR COLLEGE	3
OR	
EDUCATION 545. PRACTICUM IN JUNIOR COLLEGE TEACHING	3
ACADEMIC 500. BIBLIOGRAPHY AND RESEARCH	3
ACADEMIC MAJOR	33
ACADEMIC 550. MASTER OF ARTS THESIS	
OR	
ELECTIVES	9

Reading Specialist in Elementary and Secondary Schools

A graduate student who plans to pursue the curriculum for the Reading Specialist in Elementary or Secondary Schools must have had basic preparation in the foundations of reading instruction and reading in the elementary or secondary school.

The curriculum for the reading specialist in the elementary and secondary school is as follows:

EDUCATION 478. PRINCIPLES OF GUIDANCE**	3
OR	
PSYCHOLOGY 500. PSYCHOLOGY OF THE CHILD*	3
EDUCATION 500. RESEARCH IN EDUCATION	3
EDUCATION 506. CURRICULUM CONSTRUCTION	3
EDUCATION 509. USE AND INTERPRETATION OF EDUCATIONAL TESTS AND MEASUREMENTS	3
EDUCATION 462. READING IN HIGH SCHOOL**	3
EDUCATION 464. WORKSHOP IN READING	3
OR	
EDUCATION 477. TEACHING OF READING	3
EDUCATION 472-473. DIAGNOSTIC AND REMEDIAL READING	3 or 6
EDUCATION 508. REMEDIAL READING	3
EDUCATION 511. INVESTIGATIONS IN READING	3
EDUCATION 551. FIELD EXPERIENCE IN TEACHING READING	3-9
LIBRARY SCIENCE 467. CORRELATING TEACHING WITH THE LIBRARY	3
ACADEMIC CONCENTRATION	33-21

Audio-Visual Specialist

Prerequisite: Three years of successful teaching experience.

EDUCATION 466. INSTRUCTIONAL MATERIALS	3
EDUCATION 475. AUDIO-VISUAL MATERIALS AND TECHNIQUES	3
EDUCATION 500. RESEARCH IN EDUCATION	3
EDUCATION 502. ORGANIZATION AND ADMINISTRATION OF SECONDARY SCHOOLS	3
EDUCATION 504. ORGANIZATION AND ADMINISTRATION OF ELEMENTARY SCHOOLS	3
EDUCATION 505. SUPERVISION OF INSTRUCTION	3
EDUCATION 506. CURRICULUM CONSTRUCTION	3
EDUCATION 491. PHILOSOPHICAL FOUNDATIONS	3
OR	
EDUCATION 535. PHILOSOPHY OF EDUCATION	3
EDUCATION 528. PRODUCTION AND CARE OF AUDIO-VISUAL MATERIALS	3
EDUCATION 532. USE AND CARE OF MACHINES AND EQUIPMENT	3
EDUCATION 537. ORGANIZATION AND ADMINISTRATION OF AN AUDIO-VISUAL PROGRAM	3
EDUCATION 549. SCHOOL BUILDING PLANNING	3
APPROVED COURSES RELATED TO AUDIO-VISUAL EDUCATION OR ACADEMIC MINOR.....	18

* Required for Elementary School.

** Required for Secondary School.

PROGRAMS OF INSTRUCTION

Curriculum in Art

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
Freshman					
Art 101	3	Art 102	3	Art 103	3
Biology 101	3	Biology 102	3	Biology 103	3
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Mathematics 101	3	Mathematics 102	3	Mathematics 103	3
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
	16		16		16
Sophomore					
Art 104	3	Art 209	3	Art 210	3
Art 208	3	English 202	3	English 203	3
English 201	3	History 202	3	Physics 203	4
History 201	3	Physics 202	4	Physical Ed. 203	1
Physics 201	4	Physical Ed. 202	1	Psychology 201	3
Physical Ed. 201	1	Speech 101	3	Social Science elective	3
	17		17		17
Junior					
Art 204 or 207	3	Art 205 or 206	3	Art 202	3
Art 301	3	Art 302	3	Art 303	3
Education 301	3	Art 307	3	Art 305	3
Psychology 301	3	Education 302	3	Art 311	3
Humanities elective	3	Psychology 302	3	Psychology 303	3
Elective	3	Elective	3	Elective	3
	18		18		18
Senior					
Art 308	3	Education 404	15	Education 404	15
Art 415	3	or		or	
Education 475	3	See Spring quarter		Art 309	3
Electives	6			Social Science elective	3
	15		15	Electives	9
					15

Curriculum in Biology

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
Freshman					
Biology 104	4	Biology 105	4	Biology 106	4
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Mathematics 101		Mathematics 102		Mathematics 103	
or 107	3-5	or 108	3-5	or elective	3
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
Elective	3	Elective	3	Speech 101 or elective	3
	17-19		17-19		17
Sophomore					
Biology 201	3	Biology 202	3	Biology 203	3
Biology 204	3	Biology 205	3	Biology 206	3
Chemistry 101 or 104	4	Chemistry 102 or 105	4	Chemistry 103 or 106	4-5
English 201	3	English 202	3	English 203	3
History 201	3	History 202	3	Psychology 201	3
Physical Ed. 201	1	Physical Ed. 202	1	Physical Ed. 203	1
	17		17		17-18
Junior					
Biology 308	3	Biology 301	3	Biology 309	3
Education 301	3	Biology 307	3	Education 409	3
Psychology 301	3	Education 302	3	Humanities elective	3
Physics 201	4	Psychology 302	3	Psychology 303	3
Elective	3	Physics 202	4	Physics 203	4
	16	Elective	3		16
			19		
Senior					
Education 407	15	Education 407		Education 407	15
or		or		or	
Biology 454	3	Biology 455	3	See Fall or	
Education 409		Social Science elective	3	Winter quarter	
or elective	3	Electives	9		
Humanities elective	3		15		15
Social Science elective	3				
Elective	3				
	15				

Curriculum in Business Education

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
Freshman					
Business Education 102	3	Business Education 103	3	Business Education 104	3
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Mathematics 101	1	Mathematics 102	1	Mathematics 103	1
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
Physical Science 101	3	Physical Science 102	3	Physical Science 103	3
	16		16		16
Sophomore					
Biology 101	3	Biology 102	3	Biology 103	3
Business Education 201	3	Business Education 202	3	Business Education 203	3
Business Education 204	3	Business Education 205	3	Business Education 206	3
English 201	3	English 202	3	English 203	3
History 201	3	History 202	3	Physical Ed. 203	1
Physical Ed. 201	1	Physical Ed. 202	1	Speech 101 or	
	16	Speech 101 or		Psychology 201	3
		Psychology 201	3		16
			19		
Junior					
Business Education 306	3	Economics 202	3	Economics 203	3
Economics 201	3	Education 302	3	Education 417	3
Education 301	3	Psychology 302	3	Psychology 303	3
Psychology 301	3	Elective	3	Elective	3
Six hours selected from	6	Six hours selected from	6	Six hours selected from	6
Business Education 302		Business Education 302		Business Education 303	
Business Education 303		Business Education 303		Business Education 304	
Humanities elective		Humanities elective		Business Education 320	
Social Science elective		Social Science elective		Humanities elective	
	18		18		18
Senior					
Education 407	15	Education 407	15	Education 407	15
or		or		or	
15 hours selected from	15	15 hours selected from	15	15 hours selected from	15
Business Education 304		Business Education 304		Business Education 401	
Business Education 400		Business Education 320		Business Education 402	
Business Education 402		Business Education 400		Business Education 403	
Business Education 403		Business Education 401		Business Education 404	
Business Education 404		Business Education 403		Business Education 405	
Economics elective		Business Education 405		Economics elective	
Education 417 or		Education 417 or		Elective	
Elective		Elective			
	15		15		15

Curriculum in Chemistry

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
Freshman					
Chemistry 101 or 104	4	Chemistry 102 or 105	4	Chemistry 103 or 106	4-5
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Mathematics 101 or 107	3-5	Mathematics 102 or 108	3-5	Mathematics 108 or 211	5
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
Elective	3	Speech 101	3	Psychology 201	3
	17-19		17-19		19-20
Sophomore					
Chemistry 201	4	Chemistry 202	4	Chemistry 203	4
English 201	3	English 202	3	English 203	3
Foreign Language*	3	Foreign Language*	3	Foreign Language*	3
Mathematics 211 or 212	5	Mathematics 212 or 213	5	Mathematics 213 or elective	5-3
Physics 201 or 204	4	Physics 202 or 205	4	Physics 203 or 206	4
Physical Ed. 201	1	Physical Ed. 202	1	Physical Ed. 203	1
	20		20		20-18
Junior					
Biology 104	4	Biology 105	4	Biology 106	4
Chemistry 301	4	Chemistry 302	4	Chemistry 303	4
Education 301	3	Education 302	3	Education 409	3
Foreign Language* or elective	3	Foreign Language* or elective	3	Foreign Language* or elective	3
Psychology 301	3	Psychology 302	3	Psychology 303	3
	17		17		17
Senior					
Chemistry 401	4	Chemistry 402	4	Education 407	15
Education 409 or elective	3	History 202	3		
History 201	3	Humanities elective	3		
Social Science elective	3	Social Science elective	3		
Elective	3	Elective	3		
	16		16		15

* German is recommended.

Curriculum in Elementary Education

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
Freshman					
English 101	3	English 102	3	English 103	3
Geography 101, 102, or 103	3	Geography 101, 102, or 103	3	Geography 101, 102, or 103	3
History 101	3	History 102	3	History 103	3
Mathematics 101	3	Mathematics 102	3	Mathematics 103	3
Physical Science 101	3	Physical Science 102	3	Physical Science 103	3
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
	16		16		16
Sophomore					
Art 201 or 217	3	Art 202 or 201	3	Art 217 or 202	3
Biology 101	3	Biology 102	3	Biology 103	3
English 201	3	English 202	3	English 203	3
History 201	3	History 202	3	Music 217	3
Speech 101	3	Psychology 201	3	Political Science 201 or Sociology 201	3
Physical Ed. 201	1	Physical Ed. 202	1	Physical Ed. 203	1
	16		16		16
Junior					
Education 301	3	Education 302	3	Education 303	3
Library Science 304, 305 or History 306	3	Library Science 304, 305 or History 306	3	Library Science 304, 305 or History 306	3
Music 301	2	Music 302	2	Music 303	2
Physical Ed. 214 or 320	3	Physical Ed. 214 or 320	3	Humanities elective	3
Psychology 301	3	Psychology 302	3	Psychology 303	3
Elective	3	Elective	3	Elective	3
	17		17		17
Senior					
Education 405	15	Education 405	15	Education 405	15
or		or		or	
Education 401 or 402	3	Education 401, 402 or Elective	3	See Fall or Winter quarter	
Education 403	3	Education 403 or Elective	3		15
Education 306 or Elective	3	Education 306 or Elective	3		
General Science 401 or Health 401	3	General Science 401 or Health 401	3		
Electives	6	Electives	6		
	18		17-18		

Students who have not completed Education 010 or equivalent or who are not proficient in reading are required to complete Education 310. Students who are not proficient in composition and English grammar are required to complete English 206 and/or English 307.

Curriculum in English

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
Freshman					
English 101	3	English 102	3	English 103	3
Foreign Language		Foreign Language		Foreign Language	
101 or 104	3	102 or 105	3	103 or 106	3
History 101	3	History 102	3	History 103	3
Mathematics 101	3	Mathematics 102	3	Mathematics 103	3
Physical Science 101	3	Physical Science 102	3	Physical Science 103	3
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
	16		16		16
Sophomore					
Biology 101	3	Biology 102	3	Biology 103	3
English 201	3	English 202	3	English 203	3
English 204	3	Foreign Language 105	3	English 206	3
Foreign Language 104	3	or Social Science		Foreign Language 106	3
or English elective		elective		or Social Science	
History 201	3	History 202	3	elective	
Physical Ed. 201	1	Speech 101 or		Speech 101 or	3
	16	Psychology 201	3	Psychology 201	
		Physical Ed. 202	1	Physical Ed. 203	1
			16		16
Junior					
Education 301	3	Education 302	3	Education 411 or	
Education 462		Education 462 or		English elective	3
or elective	3	elective	3	English 303	3
English 301	3	English 302	3	Library Science 467	3
English 304	3	English 305	3	Psychology 303	3
Psychology 301	3	Psychology 302	3	Speech 207	3
	15		15		15
Senior					
Education 407	15	Education 407	15	Education 407	15
or		or		or	
Education 411		English 401 or		See Fall or	
or elective	3	Humanities elective	3	Winter quarter	
English 401 or		English 453	3		
Humanities elective	3	English elective	6		
English 452	3	Social Science elective	3		15
English elective	6		15		
Social Science elective	3				
	18				

Curriculum in Foreign Language

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
Freshman					
English 101	3	English 102	3	English 103	3
Foreign Language 101 or 104	3	Foreign Language 102 or 105	3	Foreign Language 103 or 106	3
History 101	3	History 102	3	History 103	3
Mathematics 101	3	Mathematics 102	3	Mathematics 103	3
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
Physical Science 101	3	Physical Science 102	3	Physical Science 103	3
	16		16		16
Sophomore					
Biology 101	3	Biology 102	3	Biology 103	3
English 201	3	English 202	3	English 203	3
Foreign Language 104 or 201	3	Foreign Language 105 or 202	3	Foreign Language 106 or 203	3
History 201	3	History 202	3	Physical Ed. 203	1
Humanities elective	3	Physical Ed. 202	1	Psychology 201	3
Physical Ed. 201	1	Speech 101 or elective	3	Social Science elective	3
	16		16		16
Junior					
Education 301	3	Education 302	3	Education 412	3
Foreign Language 201 or elective	3	Foreign Language 202 or elective	3	Foreign Language 203 or elective	3
Foreign Language 305	3	Foreign Language 306	3	Foreign Language 309	3
Foreign Language 307	3	Foreign Language 308	3	Social Science elective	3
Psychology 301	3	Psychology 302	3	Psychology 303	3
Elective	3	Elective	3	Elective	3
	18		18		18
Senior					
Education 407	15	Education 407	15	Education 407	15
or		or		or	
English 401 or elective	3	English 401 or elective	3	See Fall or Winter	
Foreign Language	6	Foreign Language	6	quarter	
Elective	6	Electives	6		
	15		15		15

The department recommends that a major in a foreign language use electives to build up a teaching competence in a second related field.

Curriculum in Health and Physical Education

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
Freshman					
Biology 104	4	Biology 105	4	Biology 106	4
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Health Education 101	3	Health Education 102	3	Health Education 103	3
Mathematics 101	3	Mathematics 102	3	Mathematics 103	3
Physical Ed. Activity	1	Physical Ed. Activity	1	Physical Ed. Activity	1
	17		17		17
Sophomore					
English 201	3	English 202	3	English 203	3
History 201	3	History 202	3	Psychology 201	3
Physical Ed. 210	3	Physical Ed. 211	3	Physical Ed. 212	3
Physical Ed. 214,		Physical Ed. 214,		Physical Ed. 214,	
215, or		215, or		215, or	
Philosophy 203	3	Philosophy 203	3	Philosophy 203	3
Physical Science 101	3	Physical Science 102	3	Physical Science 103	3
Speech 101	3	Physical Ed. 216		Physical Ed. 216	
Physical Ed. Activity	1	or 403	2	or 403	2
	19	Physical Ed. Activity	1	Physical Ed. Activity	1
			18		18
Junior					
Education 301	3	Education 302	3	Education 414 or	
Psychology 301	3	Psychology 302	3	elective	3
Physical Ed. 401,		Physical Ed. 312,		Psychology 303	3
320, or		320, or 401	3	Physical Ed. 312, 320,	
Health Ed. 401	3	Physical Ed. 307 or		or Health Ed. 401	3
Physical Ed. 310M		Anthropology 210	3	Physical Ed. 307	
or 311W	2	Health Ed. 401 or		or Anthropology 210	3
Physical Ed. 309		elective	3	Physical Ed. 310M	
or 405M	2	Physical Ed. 302M		or 402W	2
Music 217 or		or 305W	1	Physical Ed. 303M	
Industrial Arts 217	3	Physical Ed. 408W		or 306	1
Physical Ed. 301M		or 408M or 410M	2	Physical Ed. 309	
or 304W	1			or 405M	1
	17		18		16
Senior					
Education 404	15	Education 404	15	Education 404	15
or		or		or	
Education 414 or		Education 414 or		Physical Ed. 408M	
elective	3	elective	3	or 411M	2
Physical Ed. 403 or		Physical Ed. 408		Physical Ed. 403,	
406M	2	or 409	2-3	404, or 406M	2
Physical Ed. 404		Physical Ed. 410		Physical Ed. 409	
or 411M	2	or 412	2-3	or 412	3
Physical Ed. 412		Electives	9	Electives	9
or, elective	3				
Electives	6		16-18		16
	16				

Curriculum in Home Economics

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
Freshman					
Chemistry 111	4	Chemistry 112	4	Chemistry 113	4
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Home Economics 101	3	Home Economics 102	3	Home Economics 103	3
Mathematics 101	3	Mathematics 102	3	Mathematics 103	3
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
	17		17		17
Sophomore					
Art 104	3	Biology 105	4	Biology 106	4
Biology 104	4	English 202	3	English 203	3
English 201	3	History 202	3	Home Economics 106	3
History 201	3	Home Economics 105	3	Home Economics 207	3
Home Economics 104	3	Physical Ed. 202	1	Physical Ed. 203	1
Physical Ed. 201	1	Psychology 201	3	Speech 101	3
	17		17		17
Junior					
Economics 200	3	Education 302	3	Anthropology 210	3
Education 301	3	Home Economics 206	3	Biology 308	3
Home Economics 204	3	Home Economics 302	3	Education 413 or	
Home Economics 300	3	Home Economics 303	3	Home Economics 401	3-2
Home Economics 306	3	Physics 208	3	Home Economics 304	3
Psychology 301	3	Psychology 302	3	Home Economics 307	3
	18		18	Psychology 303	3
					18-17
Senior					
Education 407	15	Education 407	15	Education 407	15
or		or		or	
Education 413 or		Home Economics 409		Home Economics 402	
Home Economics 401	3-2	or elective	3	or Sociology 401	4-3
Home Economics 402		Home Economics 402		Home Economics 405	
or Sociology 401	4-3	or Sociology 401	4-3	or Humanities elective	3
Home Economics 304		Humanities elective		Electives	9
or 409	3	or Speech 207	3		
Humanities elective or		Education 413			
Speech 207	3	or elective	3		
Elective	3	Elective	3		
	16-14		16-15		16-15

Curriculum in Industrial Arts

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
Freshman					
Biology 101	3	Biology 102	3	Biology 103	3
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Industrial Arts 101	3	Industrial Arts 102	3	Industrial Arts 103	3
Mathematics 101	3	Mathematics 102	3	Mathematics 103	3
Physical Ed. 101	1	Physical Ed. 102	1	Ind. Arts: General Shop	3
				Physical Ed. 103	1
	16		16		19
Sophomore					
English 201	3	English 202	3	Economics 200	3
History 201	3	History 202	3	English 203	3
Industrial Arts 201	3	Industrial Arts 202	3	Industrial Arts 203	3
Speech 101	3	Ind. Arts: General Shop	4	Psychology 201	3
Physics 201	4	Physics 202	4	Physics 203	4
Physical Ed. 201	1	Physical Ed. 202	1	Physical Ed. 203	1
	17		17		17
Junior					
Education 301	3	Education 302	3	Education 416	3
Industrial Arts 301	3	Industrial Arts 302	3	Industrial Arts 303	3
Industrial Arts 305	3	Industrial Arts 306	3	Industrial Arts 307	3
Ind. Arts: General Shop	3	Industrial Arts 304	3	Industrial Arts 403	3
Psychology 301	3	Psychology 302	3	Psychology 303	3
Elective	3	Humanities elective	3	Social Science elective	3
	18		18		18
Senior					
Education 407	15	Education 407	15	Education 407	15
or		or		or	
Industrial Arts 402 or		Industrial Arts 401		See Fall or Winter	
elective	3	or elective	3	Quarter	
Industrial Arts elective	3	Industrial Arts elective	3		
Industrial Arts elective	3	Industrial Arts elective	3		
Humanities elective	3	Education 475	3		15
Elective	3	Elective	3		
	15		15		

Curriculum in Library Science

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
Freshman					
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Mathematics 101	3	Mathematics 102	3	Mathematics 103	3
Physical Science 101	3	Physical Science 102	3	Physical Science 103	3
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
Elective	3	Elective	3	Elective	3
	16		16		16
Sophomore					
Biology 101	3	Biology 102	3	Biology 103	3
English 201	3	English 202	3	English 203	3
History 201	3	History 202	3	History 203	3
Humanities elective	3	Humanities elective	3	Speech 101	3
Psychology 201	3	Physical Ed. 202	1	Physical Ed. 203	1
Physical Ed. 201	1	Elective	3	Social Science elective	3
	16		16		16
Junior					
Education 301	3	Education 302	3	English 303	3
English 304	3	English 302	3	Library Science 303	3
English 307	3	Library Science 302	3	Library Science 306	3
Library Science 301	3	Library Science 307	3	Psychology 303	3
Library Science 305	3	Psychology 302	3	Social Science elective	3
Psychology 301	3	Elective	3	Elective	3
	18		18		18
Senior					
Library Science 401	3	Library Science 402	3	Education 404	15
Library Science 403	3	Library Science 404	3		
Library Science 451	3	Library Science 450	3		
Library Science 453	3	Library Science 452	3		
Elective	3	Library Science 454	3		
	15		15		15

Curriculum in Mathematics

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
Freshman					
Biology 101 or 104	3-4	Biology 102 or 105	3-4	Biology 103 or 106	3-4
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Mathematics 101 or 107	3-5	Mathematics 102 or 108	3-5	Mathematics 108 or 211	5
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
Elective	3	Elective	3	Elective	3
	16-19		16-19		18-19
Sophomore					
English 201	3	English 202	3	English 203	3
History 201	3	History 202	3	Mathematics 213 or	
Mathematics 211 or 212	5	Humanities elective	3	Mathematics elective	5-3
Physics 201 or 204	4	Mathematics 212 or 213	5	Physics 203 or 206	4
Physical Ed. 201	1	Physics 202 or 205	4	Physical Ed. 203	1
Psychology 201	3	Physical Ed. 202	1	Social Science elective	3
	19		19	Speech 101	3
					19-17
Junior					
Education 301	3	Education 302	3	Education 408	3
Humanities elective	3	Mathematics 322	3	Mathematics 323	3
Mathematics 321	3	Mathematics 382	3	Mathematics 393	3
Mathematics elective	3	Psychology 302	3	Psychology 303	3
Psychology 301	3	Electives	6	Social Science elective	3
Elective	3			Elective	3
	18		18		18
Senior					
Education 407	15	Education 407	15	Education 407	15
or		or		or	
Education 408 or		Mathematics electives	6	Mathematics 483	3
elective	3	Electives	9	Mathematics elective	6
Mathematics 491	3		15	Electives	6
Mathematics electives	6				15
Elective	3				
	15				

At least two courses from Mathematics 311-312, 461-462, 464-465, or 468-469 must be included in the Mathematics electives above.

Curriculum in Music: General

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
Freshman					
English 101	3	English 102	3	English 103	3
Mathematics 101	3	Mathematics 102	3	Mathematics 103	3
Music 101	3	Music 102	3	Music 103	3
Music 110	1	Music 111	1	Music 112	1
Music 113	2	Music 114	2	Music 115	2
Music 116	1	Music 117	1	Music 118	1
Music 121	1	Music 122	1	Music 123	1
Physical Science 101	3	Physical Science 102	3	Physical Science 103	3
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
Ensemble	1	Ensemble	1	Ensemble	1
	19		19		19
Sophomore					
English 201	3	English 202	3	English 203	3
History 101 or 201	3	History 102 or 202	3	History 103 or Social	3
Music 125	1	Music 131	1	Science elective	3
Music 201	4	Music 202	4	Music 132	1
Music 210	1	Music 211	1	Music 203	4
Music 213	2	Music 214	2	Music 212	1
Physical Ed. 201	1	Physical Ed. 202	1	Music 215	2
Speech 101	3	Psychology 201	3	Physical Ed. 203	1
Ensemble	1	Ensemble	1	Elective	3
	19		19	Ensemble	1
					19
Junior					
Biology 101	3	Biology 102	3	Biology 103	3
Education 301	3	Education 302	3	Education 308	3
Music 304	3	Education 307	3	Music 306	3
Music 310	1	Music 305	3	Music 312	1
Music 313	2	Music 311	1	Music 315	2
Music 316	2	Music 314	2	Music 317	2
Psychology 301	3	Psychology 302	3	Psychology 303	3
Ensemble	1	Ensemble	1	Ensemble	1
	18		19		18
Senior					
Education 404	15	Humanities elective	3	Education 420	2
		Music 403	2	Music 402	3
		Music 405	3	Music 414	2
		Music 413	2	Music 416 or elective	1
		Music 416 or		Electives	6
		elective	1	Ensemble	1
		Social Science elective	3		
		Elective	3		
		Ensemble	1		
	15		18		15

Curriculum in Music: Instrumental

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
Freshman					
English 101	3	English 102	3	English 103	3
Mathematics 101	3	Mathematics 102	3	Mathematics 103	3
Music 101	3	Music 102	3	Music 103	3
Music 110	1	Music 111	1	Music 112	1
Music 113	2	Music 114	2	Music 115	2
Music 116	1	Music 117	1	Music 118	1
Music 121	1	Music 122	1	Music 123	1
Physical Science 101	3	Physical Science 102	3	Physical Science 103	3
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
Ensemble	1	Ensemble	1	Ensemble	1
	19		19		19
Sophomore					
English 201	3	English 202	3	English 203	3
History 101 or 201	3	History 102 or 202	3	History 103 or Social	3
Music 125	1	Music 131	1	Science elective	3
Music 201	4	Music 202	4	Music 132	1
Music 210	1	Music 211	1	Music 203	4
Music 213	2	Music 214	2	Music 212	1
Physical Ed. 201	1	Physical Ed. 202	1	Music 215	2
Speech 101	3	Psychology 201	3	Physical Ed. 203	1
Ensemble	1	Ensemble	1	Elective	3
	19		19	Ensemble	1
					19
Junior					
Biology 101	3	Biology 102	3	Biology 103	3
Education 301	3	Education 302	3	Education 308	3
Music 126	1	Education 307	3	Music 133	1
Music 304	3	Music 127	1	Music 306	3
Music 313	2	Music 305	3	Music 315	2
Music 316	2	Music 314	2	Music 317	2
Psychology 301	3	Psychology 302	3	Psychology 303	3
Ensemble	1	Ensemble	1	Ensemble	1
	18		19		18
Senior					
Education 404	15	Education 419	2	Music 402	3
		Humanities elective	3	Music 404	2
		Music 128	1	Music 414	2
		Music 405	3	Music 416 or elective	1
		Music 413	2	Electives	6
		Music 416 or elective	1	Ensemble	1
		Social Science elective	3		15
		Elective	3		
		Ensemble	1		
	15		19		

Curriculum in Music: Piano Pedagogy

This curriculum does not lead to certification by the State Department of Education, but is recognized by the certification board of the North Carolina Music Teachers Association in the field of private piano teaching.

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
Freshman					
English 101	3	English 102	3	English 103	3
French or German 101	3	French or German 102	3	French or German 103	3
Music 101	3	Music 102	3	Music 103	3
Music 110	1	Music 111	1	Music 112	1
Music 113	2	Music 114	2	Music 115	2
Music 116	1	Music 117	1	Music 118	1
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
Physical Science 101	3	Physical Science 102	3	Physical Science 103	3
	17		17		17

Sophomore					
English 201	3	English 202	3	English 203	3
History 101 or 201	3	History 102 or 202	3	History 103 or Social	3
Music 201	4	Music 202	4	Science elective	3
Music 176	1	Music 176	1	Music 203	4
Music 210	1	Music 211	1	Music 176	1
Music 213	3	Music 214	3	Music 212	1
Physical Ed. 201	1	Physical Ed. 202	1	Music 215	3
Speech 101	3	Psychology 201	3	Physical Ed. 203	1
	19		19		16

Junior					
Education 301	3	Education 302	3	Education 309	3
Psychology 301	3	Psychology 302	3	Psychology 303	3
Music 176	1	Music 176	1	Music 176	1
Music 304	3	Music 305	3	Music 306	3
Music 313	4	Music 314	4	Music 315	4
Music 316	2	Humanities elective	3	Social Science elective	3
	16		17		17

Senior					
Education 404	5	Education 404	5	Education 404	5
Music 176	1	Music 176	1	Music 402	3
Music 413	4	Music 414	4	Music 452	3
Electives	6	Music 405	3	Music 416 or elective	1
	16	Music 403	2	Electives	6
		Music 416 or elective	1		18
			16		

Curriculum in Social Science

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
Freshman					
English 101	3	English 102	3	English 103	3
Geography 101	3	Geography 102	3	Speech 101 or elective	3
History 101	3	History 102	3	History 103	3
Mathematics 101	3	Mathematics 102	3	Mathematics 103	3
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
Physical Science 101	3	Physical Science 102	3	Physical Science 103	3
	16		16		16
Sophomore					
Biology 101	3	Biology 102	3	Biology 103	3
Economics 201	3	Economics 202	3	Economics 203	3
English 201	3	English 202	3	English 203	3
History 201	3	History 202	3	History 203	3
Physical Ed. 201	1	Physical Ed. 202	1	Physical Ed. 203	1
Political Science 201	3	Psychology 201	3	Political Science 203	3
Sociology 201	3			Humanities elective	3
	19		16		19
Junior					
Education 301	3	Education 302	3	Education 410	
English 301	3	English 302	3	or elective	3
History 301 or elective	3	History 302	3	English 303	3
History 305	1	History 305	1	History 303 or elective	3
Humanities elective	3	History 306	3	History 305	1
Psychology 301	3	Psychology 302	3	Anthropology 210	3
	16		16	Psychology 303	3
					16
Senior					
Education 407	15	Education 407	15	Education 407	15
or		or		or	
Education 410		Education 410		See Fall or Winter	
or elective	3	or elective	3	quarter	
History elective	3	History elective	3		
Social Science elective	3	Social Science elective	3		
Electives	6	Electives	6		
	15		15		15

Curriculum in Speech

FALL	Q.H.	WINTER	Q.H.	SPRING	Q.H.
Freshman					
Biology 101	3	Biology 102	3	Biology 103	3
English 101	3	English 102	3	English 103	3
History 101	3	History 102	3	History 103	3
Mathematics 101	3	Mathematics 102	3	Mathematics 103	3
Physical Ed. 101	1	Physical Ed. 102	1	Physical Ed. 103	1
Speech 101	3	Elective	3	Psychology 201	3
	16		16		16
Sophomore					
English 201	3	English 202	3	English 203	3
History 201	3	History 202	3	Humanities elective	3
Humanities elective	3	Physical Ed. 202	1	Social Science elective	3
Physical Ed. 201	1	Physical Science 102	3	Physical Ed. 203	1
Physical Science 101	3	Social Science elective	3	Physical Science 103	3
Speech 205	3	Speech 206	3	Speech 207	3
	16		16		16
Junior					
Art 104	3	Education 302	3	Education 418	3
Education 301	3	English 307 or 401	3	Psychology 303	3
English 304	3	Psychology 302	3	Speech 304	3
Psychology 301	3	Speech 305	3	Speech 402	3
Speech 303	3	Speech 306	3	Electives	6
Speech 308	3	Elective	3		
	18		18		18
Senior					
Education 407	15	Education 407	15	Education 407	15
or		or		or	
English 452	3	English 453	3	See Fall or Winter	
Speech elective	3	Speech 401	3	quarter	
Electives	6-9	Speech electives	3-6		
	15-18	Electives	6		15
			15-18		

The department recommends that a major in Speech use electives to take additional courses in psychology and build up a teaching competence in a related field, particularly English.

COURSES OF INSTRUCTION

Courses are listed in alphabetical order by departments. Courses numbered 100 to 199 inclusive are normally offered for freshmen; 200 to 299 for sophomores; 300 to 399 for juniors; 400 to 449 for seniors; 450 to 499 for seniors and graduates; 500 and above for graduates. Courses open to lower classes are also open to upper classes.

The figure in brackets preceding a course title indicates the course number used in the catalog of 1962-63.

The figure in parentheses after the course title tells the credit in quarter hours; for example the figure (3) means three quarter hours.

Quarters of the year in which the course is offered are represented by symbols: "F" for fall quarter, "W" for winter quarter, "S" for spring quarter, "SS" for summer session, "Ex" for extension.

A hyphen in the course number, credit, and quarters of the year in which the course is offered indicates that the course extends through two or more quarters and that the preceding quarter must be completed before the following quarter can be taken.

The comma in the course number, credit, and quarters indicates that the course is continuous but that one quarter may be taken independently of another.

The semicolon in the credit and quarter indicates that the course is a one quarter course and is repeated in a subsequent quarter.

Special requirements for admission to a course are stated after the word *prerequisite*.

The administration reserves the right to withdraw courses for which there is insufficient enrollment.

ART

CATHERINE SMITH, *Chairman*, ANN MOORE, E. WILLIAMS.

A major in Art consists of 60 quarter hours including 101, 102, 103, 104, 202, 208-209-210, 301, 302, 303, 305, 307, 308-309, 311, 415, at least six hours from crafts, and Education 475.

101. DRAWING (3) . F.

Fundamentals of visual form and structure through the use of line. Freehand sketching. Laboratory six hours.

102. DRAWING (3) . W.

Linear perspective, lines, planes, solids, shadows, life drawing and structure, lettering. Laboratory six hours.

103. DRAWING AND COMPOSITION (3) . S.

Designed to acquaint the student with the nature of creative experiences in two dimensional expression using life drawing, still life, landscape, abstract design and form. Several media are used.

104. DESIGN (3) . F.

Fundamentals of design; emphasis on two and three dimensional design; composition in line, color, shape, space, motion, texture in the visual arts. Lecture one hour, laboratory four hours.

201. FUNDAMENTALS OF ART (3) . F;W;S.

The principles of art structure employing drawing, lettering, composition, color, and design in different projects. Study of perspective, color theory and harmony. Discussion and laboratory six hours. Not open to art majors.

202. ART IN THE ELEMENTARY SCHOOL (3) . F;W;S.
Design, drawing, simple shading, mass arrangements; designing and modeling simple forms in paper, cardboard, cloth, wire, clay, papier-mache, wood; the use of tools suitable for the grade level; integration of art with other school subjects. Consideration of art curriculum and philosophy of art education in the elementary school. Emphasis upon creative development in the child. Prerequisite: 201. Discussion and laboratory six hours.
204. LEATHER (3) . F.
Basic processes and techniques involved in working with leather. Development of course materials suitable for use in a general shop. Lecture one hour, laboratory five hours.
205. CERAMICS (3) . F;S.
Basic processes and techniques involved in working with ceramics. Development of course materials suitable for use in a general shop. Lecture one hour, laboratory five hours.
206. ART METAL (3) . W.
Basic processes and techniques involved in working with art metal. Development of course materials suitable for use in a general shop. Lecture one hour, laboratory five hours.
207. JEWELRY (3) . F.
Basic processes and techniques involved in working with jewelry. Development of course materials suitable for use in a general shop. Lecture one hour, laboratory five hours.
- 208-209-210. PAINTING (3-3-3) . F-W-S.
Foundation course in technical handling of the media of water color, tempera, gouache, pastel, pencil, pen and ink, charcoal, oil, still life and landscape. Laboratory six hours.
217. INTRODUCTION TO ART (3) . F;W;S.
Analysis of selected examples of architecture, sculpture, painting, crafts, industrial designs in relation to their historical time and need. Lecture three hours. Not open to art majors.
301. ANCIENT AND MEDIEVAL ART (3) . F.
A survey of architecture, painting, and sculpture from prehistoric time through medieval Europe.
302. RENAISSANCE ART (3) . W.
A survey of architecture, painting, and sculpture from the fourteenth through the eighteenth centuries.
303. MODERN ART (3) . S.
A study of architecture, painting, and sculpture in nineteenth and twentieth centuries, including Realism, Impressionism, Expressionism, Cubism, abstract art.
305. ADVANCED DESIGN (3) . S.
Emphasis upon color theory and use of color in design.
307. LIFE DRAWING AND PAINTING (3) . W.
Structure and action of the human figure. Laboratory six hours.

- 308-309. PAINTING (3-3). F-S.
Advanced problems in painting; individual experimentation and expression. Laboratory six hours.
311. SCULPTURE (3). S.
Introductory problems; techniques of modeling, casting and elementary carving in a variety of materials. Laboratory six hours.
313. GRAPHICS (3). W.
Technical processes of silk screen, wood and linoleum, block printing, surface prints. Laboratory six hours.
314. GRAPHICS (3). S.
Technical processes of dry point, etching, aquatint. Laboratory six hours.
317. WEAVING (3). F;W;S.
An introduction to weaving, using various types of looms; emphasis is placed on creativity, use of inexpensive materials and easily constructed weaving devices. Each student will pay for the actual materials used, and all articles made by the students become their property.
324. LEATHER (3). F.
Advanced techniques in leather craft with emphasis upon design and skill. Methods of organizing and teaching problems. Development of course material suitable for a unit shop. Lecture one hour, laboratory five hours.
325. CERAMICS (3). F;S.
Advanced techniques in ceramics with emphasis upon design and skill. Methods of organizing and teaching problems. Development of course material suitable for a unit shop. Lecture one hour, laboratory five hours.
326. ART METAL (3). W.
Advanced techniques in art metal with emphasis upon design and skills. Methods of organizing and teaching problems. Development of course material suitable for a unit shop. Lecture one hour, laboratory five hours.
327. JEWELRY (3). F.
Advanced techniques in jewelry and emphasis upon design and skill. Methods of organizing and teaching problems. Development of course material suitable for a unit shop. Lecture one hour, laboratory five hours.
400. INTERIOR DESIGN (3). W.
Architectural styles, planning, building materials as related to residential structures. Lecture one hour, laboratory five hours.
407. ADVANCED PAINTING (3). F;W;S.
411. WEAVING (3). S.
Assembling a loom; making warps and threading looms, reading and writing drafts; creating and constructing fabric designs through various weaving techniques and yarn combinations; samples and finished pieces. Each student will pay for the actual materials used, and all articles made by the students become their property.
415. ART IN THE SECONDARY SCHOOL (3). F.
Exploration into the functional use of a variety of art materials, techniques, curriculum construction considering the level of the student's creative development in relation to his needs, interests, maturity; the philosophy and psychology of art education.

450. PROBLEMS IN ART (1 to 3) F;W;S.
Individual problems or projects. Admission upon approval of chairman.
453. ART EDUCATION WORKSHOP (3). SS;Ex.
An intensive two-week course devoted to art instruction in grades one through twelve, including the correlation of art with teaching at all levels. Art materials and supplies for grade levels will be examined. Each student will pay for materials used and all articles made by him become his property.

BIOLOGY AND GEOLOGY

F. R. DERRICK, *Chairman*, I. W. CARPENTER, JR., MAY E. DENTON, M. B. MORE-HEAD, J. F. RANDALL, KENT ROBINSON, T. VERGEER.

A major in Biology consists of 48 quarter hours above the 100 course level, including 201-202-203, 204-205-206, 301, 307, 308, 309, 454, 455, and Physics 201-202-203.

A student majoring in biology is required to take the Option Examination of the National Teacher Examination.

The objectives of the department of biology are to provide a cultural background in the life sciences as a part of every student's general education; to prepare students to teach biology in the public schools; to prepare and assist students for advanced study in biology; to provide courses in biology for certification in other areas, such as home economics, physical education.

101-102-103. INTRODUCTION TO LIFE SCIENCE (3-3-3). F-W-S.

A survey of living organisms and their relationship to each other and to their environment. Study of topics from morphology, physiology, embryology, and genetics with particular reference to man and healthful living. Required of all students who do not take Biology 104-105-106 and who definitely do not plan to take higher courses in biology. Lecture two hours, laboratory two hours.

104-105-106 [101-102-103]. GENERAL BIOLOGY (4-4-4). F-W-S.

A foundation course in biology. Principles and theories; morphology and physiology, genetics, embryology, and conservation. Lecture three hours, laboratory two hours. Required of biology majors.

201-202-203. ZOOLOGY (3-3-3). F-W-S.

A study of the basic principles of zoology: reproduction and development, genetics, ecology, evolution, morphology and physiology; a survey of both invertebrates and vertebrates. Prerequisite: 104-105-106. Lecture two hours, laboratory two hours.

204-205-206. BOTANY (3-3-3). F-W-S.

Anatomy and physiology of spermatophytes; taxonomy and morphology of cryptogams; taxonomy of phanerogams. Prerequisite: 104-105-106. Lecture two hours, laboratory two hours.

301. INTRODUCTORY ANIMAL PHYSIOLOGY (3). W.

Fundamental principles of animal physiology. Prerequisite: 104-105-106 and Chemistry 101-102-103. Lecture two hours, laboratory two hours.

307 [207]. VERTEBRATE ANATOMY (3). W.

A comparative study of the origin, evolution, and present condition of the vertebrate structures. Prerequisite: 201-202-203. Lecture two hours, laboratory two hours.

- 308 [208]. BACTERIOLOGY (3). F;S;SS.
A study of the morphology and physiology of bacteria and their relation to man. Prerequisite: 104-105-106 and Chemistry 101-102-103. Lecture two hours, laboratory two hours.
- 309 [209]. EMBRYOLOGY (3). S.
Gametogenesis, fertilization, and structural development of the vertebrate embryo. Prerequisite: 104-105-106. Lecture two hours, laboratory two hours.
401. PROBLEMS AND PROJECTS IN BIOLOGY (3). F;W;S.
Individual problems or projects carried on by superior students under the supervision of the biology staff. Prerequisite: Special permission.

Senior-Graduate Courses

450. NATURE STUDY (3). SS.
Observation of common plants and animals, methods of collecting, organizing, and presenting nature study materials in the grades. Offered 1964 SS.
451. ORNITHOLOGY (3). S;SS.
An introduction to the anatomy, physiology, behavior, ecology and identification of birds. Lecture two hours, laboratory two hours. Offered 1964 SS.
452. MICROTECHNIQUE (3). F;SS.
Technical methods used in preparing materials for microscopic study; practical training in preparation of permanent slides of small organisms and tissue of higher organisms. Lecture two hours, laboratory four hours. Offered 1964 SS.
453. HISTOLOGY (3). W;SS.
Microscopic anatomy of the vertebrate body, including a study of the principal tissues and organs. Prerequisite: Senior standing and 24 quarter hours of undergraduate biology. Lecture two hours, laboratory two hours. Offered 1965 SS.
454. GENETICS (3). F;S;SS.
A study of principles of variation and heredity governing plants and animals, with special reference to man. Prerequisite: 104-105-106.
455. PLANT PHYSIOLOGY (3). W;S;SS.
A study of the basic principles of plant physiology and fundamental processes such as cell properties, water relations, growth, photosynthesis, respiration, and mineral nutrition. Prerequisite: 204-205-206 and Chemistry 101-102-103. Lecture two hours, laboratory two hours.

Graduate Courses

A major in Biology for the Master's Degree consists of a minimum of thirty-six quarter hours. Required courses include Biology 454, 455, 500, 501, 503, 514.

500. BIBLIOGRAPHY AND RESEARCH (3). F;SS.
A study of bibliographical problems, types of research, the literature and methods of scientific writing. Required in the first quarter of beginning graduate students.
501. ANIMAL ECOLOGY (3). F;SS.
A study of the ecological principles, relationships, habitats, and economic importance of animals. Lecture two hours, field work two hours.

502. FRESH WATER BIOLOGY (3) . SS.
A study of the physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Largely a field course dealing with various approved methods of studying the fresh waters of North Carolina. Lecture two hours, field work two hours. Offered 1964 SS.
503. BACTERIOLOGY OF WATER, MILK, FOOD, AND SEWAGE (3) . W;SS.
Laboratory and field methods dealing with the sanitary aspects of foods and food handling; sources and kinds of bacteria in milk; water and sewage with their sanitary significance. Lecture two hours, laboratory two hours. Offered 1964 SS.
504. TAXONOMY OF VASCULAR PLANTS (3) . SS.
A study of the gross structure, reproduction, and development of the spermatophytes. Special emphasis is placed upon the classification and nomenclature of the spermatophytes. Lecture two hours, field work two hours. Offered 1965 SS.
505. ANIMAL PHYSIOLOGY I (3) . W;SS.
Physiology of the sensory, nervous, muscular and circulatory systems; laboratory experiments, reports and readings. Lecture two hours, laboratory two hours. Offered 1965 SS.
506. ANIMAL PHYSIOLOGY II (3) . S;SS.
Physiology of respiration, alimentation, excretion, reproduction and hormone coordination. Lecture two hours, laboratory two hours. Offered 1965 SS.
508. BIOLOGY IN THE HIGH SCHOOL (3) . F;SS.
A review of topics covered in high school biology with emphasis upon recent advancements in these fields and upon methods and materials. Offered 1963 F and 1965 SS.
509. EVOLUTION (3) . S;SS.
Evidences of organic evolution will be considered and evaluated from the paleontological, morphological, and physiological standpoints. Offered in 1964 S and 1965 SS.
510. ENTOMOLOGY (3) . SS.
A study of injurious and beneficial insects, their classification, life histories, distribution, and influence upon man. Methods of collecting and preserving insects; each student is required to prepare a representative collection. Lecture two hours, laboratory two hours. Offered 1964 SS.
511. FIELD BIOLOGY (6) . SS.
A concentrated course in field botany and field zoology. The course will consist of a three-week unit in field botany and a three-week unit in field zoology. Each unit will be taught for two three-week periods and the participants will be divided so that there will not be over twenty-five per class. The course is in conjunction with the National Science Foundation Institute only. Registration will be limited.
512. LOCAL FLORA (3) . SS.
A course designed specifically for elementary school teachers. A study of the common flora and economic plants of North Carolina including the collection, common name identification, and methods of preservation. Lecture two hours, laboratory and field work two hours.

514. PLANT ANATOMY AND MORPHOLOGY (3) . S;SS.
A general survey of the external and internal structure of plants; detailed study of anatomy and morphology of representative plants from all the divisions. Lecture two hours, laboratory two hours. Offered 1964 SS.
- 515 [500]. PLANT ECOLOGY (3) . SS.
A study of units of vegetation and plant succession; factors of the habitat; soils and climate; taxonomy of local flora and preparation of herbarium material. Lecture, laboratory, and field work five hours. Offered 1964 SS.
516. RADIATION AND GENETIC EFFECTS (3) . SS.
The course considers the nature of radiation, how produced, how measured, and the physical effects upon living matter; genetic effects upon future generations and the mechanism of "time bombing future generations," involving topics of mutations and chromosomal aberrations; radioactive fallout and methods to reduce radiation hazards.
517. PARASITOLOGY (3) . W;SS.
A survey of protozoan, helminthic and arthropod parasites with emphasis on causation and prevention of disease. Lecture two hours, laboratory two hours. Offered 1964 SS.
518. PALEONTOLOGY (3) . SS.
A study of the classification, morphology, and distribution of fossils with reference to geological time. Special attention is given to invertebrate index fossils. Offered 1965 SS.
- 520 [506]. BIOLOGICAL PROBLEMS (3) . F;W;S;SS.
Graduate students with an approved subject of investigation may register for this course. The work will be subject to their individual needs.
- 530 [507]. SEMINAR (3) . S;SS.
Lectures, readings, and discussions dealing with biological principles and theories. Offered in 1965 S and 1965 SS.
550. MASTER OF ARTS THESIS (6) . F;W;S.

GENERAL SCIENCE

401. METHODS OF ELEMENTARY SCHOOL SCIENCE (3) . F;W;S.
A survey of scientific principles and concepts suitable for the elementary grades. Emphasis is placed upon the construction of units for the various grade levels, methods of teaching these units, related demonstration and experiments, and the correlation of the science units with other instructional areas.
450. SCIENCE IN THE ELEMENTARY SCHOOL (3) . SS; Ex.
A course designed for teachers with limited science background. Basic concepts, use of simple materials for demonstrations, and the problem solving approach will be stressed. Lecture and demonstrations three hours. Available as a workshop.

GEOLOGY

201-202. PHYSICAL GEOLOGY

(3-3) . F;W;S.

Scientific description of the composition of the earth, physical processes which change the earth's surface with special emphasis given to the geology of the Southeastern States. Lecture two hours, laboratory two hours.

303. HISTORICAL GEOLOGY OF EASTERN NORTH AMERICA

(3) . F;S.

History of the earth and its inhabitants as related to Eastern North America. Prerequisite: 201-202. Lecture two hours, laboratory two hours.

BUSINESS EDUCATION

O. SUTTON, *Chairman*, A. BLACKBURN, M. HAWKINSON, J. F. JONES, C. J. MESSERE, J. RINER, K. TULLY.

The department of Business Education is an institutional member of the National Association of Business Teacher Education.

A major in Business Education consists of a minimum of 66 quarter hours above course level 103. These courses include 104, 201, 202, 203, 204, 205, 206, 302, 303, 304, 306, 320, 400, 401, 402, 403, 404, 405, and Economics 201, 202, 203, and 3 elective hours in Economics.

All majors must take the Option Examination of the National Teacher Examination.

The objectives of the department of business education are to help students to become effective teachers of business by developing skills, attitudes, and understandings essential for the successful direction of business relationships; to enable students to gain and use concepts and terminology of business which will be of aid to them in solving problems involving social, business, and economic concepts; to help students to recognize the importance of general education in all fields of endeavor and to feel a responsibility, through cooperative effort, to promote utilization of the objectives of education.

101, 102-103. TYPEWRITING

(3,3-3) . F,W-S.

The typewriting keyboard and theory. Students who have completed successfully one semester of typewriting in secondary school or equivalent will be required to register for 102. Recitation and laboratory five hours.

104. BUSINESS MATHEMATICS

(3) . S.

The fundamental processes of mathematics and their application to common business practices.

201, 202-203. SHORTHAND

(3,3-3) . F,W-S.

Mastery of principles of Gregg Shorthand and ability to take dictation. Students who have completed successfully one semester of shorthand in secondary school or equivalent will be required to register for 202. Recitation five hours.

204-205-206. ELEMENTARY ACCOUNTING

(3-3-3) . F-W-S.

Principles and fundamentals of accounting procedure and practices.

300. TYPEWRITING

(3) . S.

A terminal course for non-business-teachers, who have had no previous typewriting, in the use of the typewriter and duplicating machines. Recitation and laboratory five hours.

301. PRINCIPLES OF SELLING

(3) . S.

A study of the basic principles and techniques of selling.

302. BUSINESS CORRESPONDENCE (3) . F;W.
The principles and application of business letter writing.
303. OFFICE MACHINES (3) . F;W;S.
Practice in the use of common office machines. Prerequisites: Typewriting and Accounting.
- 304-305. ADVANCED SHORTHAND (3) . F;W;S.
Ability to take rapid dictation and transcribe it. Prerequisites: 202-203. Recitation and laboratory five hours.
- 306-307-308. INTERMEDIATE ACCOUNTING (3-3-3) . F-W-S.
Application of accounting to various forms of business organization. Prerequisites: 204-205-206.
320. PRINCIPLES OF MARKETING (3) . W;S.
The basic principles of marketing as they relate to the economy.
400. BUSINESS LAW (3) . F;W.
A treatment of the fundamental principles of law relating to business. Emphasis is placed upon the study of contracts, negotiable instruments, sales, and agencies.
401. BUSINESS LAW (3) . W;S.
Torts, business crimes, bankruptcy, bailments, governmental legislation.
402. BUSINESS POLICIES AND PRACTICES (3) . F;S.
An integrated and analytical study of the functions of business; with major emphasis on management, organization, ownership, and operation.
403. OFFICE PRACTICE (3) . F;W;S.
At least ninety hours of actual work in an office. Group conferences to be arranged.
404. PRINCIPLES OF BUSINESS EDUCATION (3) . F;S.
A study of the curriculum, current problems, and other interrelated factors in business education.
405. MATERIALS AND METHODS OF TEACHING THE NON-SKILL
BUSINESS COURSES (3) . W;S.
A study of the use of different teaching aids and successful methods used in the teaching of the basic business subjects.

Senior-Graduate Courses

450. PRINCIPLES OF INSURANCE (3) . W;S.
A theoretical and practical study of the different kinds of insurance.
451. OFFICE MANAGEMENT (3) . F;SS.
A study of principles of scientific management as they relate to the office. Offered 1964 SS.
452. INCOME TAX ACCOUNTING (3) . S.
A presentation of the underlying principles of income taxation and the special accounting problems involved in the calculation of federal and state liability, with emphasis on the individual return. Prerequisites: 204-205-206.

Graduate Courses

A graduate major in Business Education consists of 36 quarter hours, including Business Education 500, 501, 505, 506 or 507, 515, and elective courses in Business Education and related areas.

500. BIBLIOGRAPHY AND RESEARCH (3). F;SS.
A study of bibliographical problems, types of research, and organization and reporting of research. Required in the first quarter of all beginning graduate students.
501. SURVEY OF BUSINESS FINANCE (3). S;SS.
Principles and problems of financing a business enterprise and their relationship to the investor and the consumer.
502. MARKETING PROBLEMS AND POLICIES (3). F;SS.
Problems involving marketing organizations and methods with emphasis upon functions, institutions, and channels and their relationship to the consumer. Offered on Saturday.
503. ADVANCED BUSINESS LAW (3). SS.
Law as it applies to the everyday business transactions of individuals and the organization and operation of a business enterprise.
504. THEORY OF AUDITING (3). SS.
Basic principles of auditing with emphasis on analyzing and verifying records and reports.
505. CURRENT PROBLEMS IN BUSINESS EDUCATION (3). S;SS.
Problems in organizing and administering a business education program in the high schools. Offered on Saturday.
506. IMPROVEMENT OF INSTRUCTION OF THE SECRETARIAL SUBJECTS (3). SS.
Trends and research in the teaching of shorthand, typewriting, and related subjects.
507. IMPROVEMENT OF INSTRUCTION IN THE BASIC BUSINESS SUBJECTS (3). W;SS.
Objectives, organization of the curriculum, instructional materials, and methods of instruction of the basic business subjects.
508. BUSINESS REPORT WRITING (3). W;SS.
A study of principles and functions of communications for a business enterprise.
510. COST ACCOUNTING (3). F;SS.
Principles of manufacturing and distribution cost accounting. Material, labor, and overhead costs in job order and process cost accounting. Business procedures and their adaptation to business situations and needs of management.
512. MATERIALS, METHODS, EQUIPMENT IN BUSINESS EDUCATION (3). SS.
Investigations and demonstrations of recently developed materials, methods, and equipment used in teaching the business subjects in secondary schools.
515. BUSINESS MANAGEMENT (3). S;SS.
Background, principles, techniques and basic problems of business management; budgeting and purchasing policies; emphasis on interdependence and interrelationship of management activities and functions.

516. PERSONNEL ADMINISTRATION (3) . W;SS.
Principles and policies governing present-day employer-employee relationships; problems and practices in personnel management.
517. SEMINAR IN ACCOUNTING (3) . SS.
550. MASTER OF ARTS THESIS (6) . F;W;S.

CHEMISTRY AND PHYSICS

W. G. SINK, *Chairman*, G. ATWOOD, R. N. GURLEY, J. E. JOHNSON, G. B. MILES.

A major in Chemistry consists of a minimum of 45 or 49 quarter hours in Chemistry, including 101, 102, 103, 106, or 104, 105, 106, and 201, 202, 203, 301, 302, 303, 401, 402.

The primary objective of the department of chemistry is to prepare students adequately to teach high school chemistry and to continue their study at the graduate level in preparation for college teaching or careers in scientific research. A second objective is to provide supporting and/or enriching courses for students in other areas.

Physical Science 101-102-103. MAN AND HIS

PHYSICAL ENVIRONMENT

(3-3-3) . F-W-S.

An integrated perspective of the physical sciences; study of selected topics such as systems of measurement, the expanding universe, structure of the earth, kinetic molecular theory of matter, energy (types, transformations, utilization), properties of elements and compounds, structure and utilization of atoms. The role of science in the development of civilization. Required of all students who do not take a first year course in chemistry or physics and who definitely do not plan to take higher courses in the physical sciences. Lecture two hours, laboratory two hours.

101-102-103. GENERAL CHEMISTRY

(4-4-4) . F-W-S.

Basic principles of chemistry; structure and behavior of atoms; classification and properties of the elements. Lecture three hours, laboratory three hours.

104-105. GENERAL CHEMISTRY

(4-4) . F-W.

Advanced treatment of basic principles with emphasis on modern atomic theory. Open to chemistry majors who show adequate prior training in chemistry. Lecture three hours, laboratory three hours.

106. QUALITATIVE INORGANIC ANALYSIS

(5) . F;S.

General principles involved in separation and identification of the more common cations and anions. Laboratory practice in identifying the ions in a variety of unknowns. Prerequisite: 101-102-103 or 104-105. Lecture three hours, laboratory four hours.

111-112-113. APPLIED CHEMISTRY

(4-4-4) . F-W-S.

A study of fundamental principles such as structure of matter, solutions of electrolytes, metals and non-metals, colloidal state; nomenclature and basic functional groups of organic chemistry; food metabolism, vitamins and hormones, composition and functions of body fluids, drugs and antibiotics. Credit only for majors in Home Economics. Lecture three hours, laboratory two hours.

201-202-203. ORGANIC CHEMISTRY

(4-4-4). F-W-S.

Chemistry of aliphatic, alicyclic, aromatic and heterocyclic organic compounds. Laboratory practice in class reactions; synthesis of typical organic compounds. Prerequisite: 101-102-103 or 104-105-106. Lecture three hours, laboratory three hours.

301-302-303. PHYSICAL CHEMISTRY

(4-4-4). F-W-S.

Mathematical treatment of theories underlying the properties and relationships of solids, liquids, gases and solutions of these, including gas behaviors, thermochemistry, thermodynamics, chemical kinetics, photochemistry, electrochemistry, and radiochemistry. Prerequisite: Mathematics 211-212-213, and Physics 201-202-203, or 204-205-206. Lecture three hours, laboratory three hours.

401. VOLUMETRIC QUANTITATIVE ANALYSIS

(4). F.

Methods of quantitative analysis based on stoichiometry, including classical titrations; modern electrometric and photometric methods, applied to unknowns. Prerequisite: 301-302-303. Lecture three hours, laboratory three hours.

402. GRAVIMETRIC QUANTITATIVE ANALYSIS

(4). W.

Typical separations and gravimetric quantitative procedures applied to unknowns, including electrodeposition and special modern practical methods. Prerequisite: 106. Lecture three hours, laboratory three hours.

406 [456]. SPECIAL PROJECTS

(2 to 4). F;W;S;SS.

Open to seniors majoring in chemistry.

Senior-Graduate Courses

450. QUALITATIVE ORGANIC ANALYSIS

(4). F;SS.

A systematic procedure for the identification of organic compounds. Laboratory practice in identifying pure organic compounds and mixtures. Prerequisite: 201-202-203. Lecture two hours, laboratory four hours.

452. ADVANCED ANALYTICAL CHEMISTRY

(4). W;SS.

Introduction to modern instrumental methods of analysis, including photometry, spectrophotometry, polarimetry, electrodeposition, polarography, pH and potentiometric titrations. Prerequisite: 401. Lecture three hours, laboratory three hours.

454-455. BIOCHEMISTRY

(4-4). W-S;SS.

Properties and metabolism of carbohydrates, lipids and proteins; chemistry of body fluids; biologically active compounds. Prerequisite: 201-202-203. Lecture three hours, laboratory three hours.

Graduate Courses

A graduate major in Chemistry consists of a minimum of 36 quarter hours of credit in senior-graduate and graduate level courses. Not more than 15 quarter hours may be senior-graduate level credits. The 36 quarter hours credit includes a thesis for six hours credit. A minimum of nine quarter hours credit is required in Education and Psychology.

The following chemistry courses are required of all graduate majors in chemistry: 450 or equivalent; 502 (to be taken fall term of first year); 504, 506, 509, 510, 513 or 514, 526, 527, 528, and 550.

Master of Arts candidates must pass comprehensive examinations in the four major fields of chemistry: inorganic, organic, analytical, and physical. Each must present and defend his thesis before the chemistry faculty.

In addition the general requirements as set forth on pages 53-55 must be fulfilled by all candidates to receive the Master of Arts degree.

- 501 [500]. MODERN CHEMISTRY (3). SS.
Advanced review of principles of general chemistry with emphasis upon modern atomic theory. More mathematical treatment of physico-chemical principles. Introduction to modern methods of analysis. Admission by approval of instructor.
502. CHEMICAL LITERATURE (1). F;SS.
To be taken fall term of first year. Lecture one hour.
504. CHEMICAL BOND THEORIES (3). S;SS.
- 506-507. ORGANIC REACTION MECHANISMS (3-3). W-S.
509. HISTORY OF CHEMISTRY (3). F;SS.
510. CHEMICAL THERMODYNAMICS (3). F.
513. OPTICAL METHODS OF CHEMICAL ANALYSIS (4). W;SS.
Prerequisite: 452. Lecture three hours, laboratory three hours.
514. ELECTRICAL METHODS OF CHEMICAL ANALYSIS (4). S;SS.
Prerequisite: 452. Lecture three hours, laboratory three hours.
515. ELECTRO CHEMISTRY (4). F.
Lecture three hours, laboratory three hours.
520. CHEMICAL KINETICS (3 or 4). W.
Lecture three hours, laboratory three hours (optional).
523. COLLOIDAL CHEMISTRY (3). S.
- 526-527-528. SEMINAR (1). F-W-S.
Weekly discussion groups.
550. MASTER OF ARTS THESIS (6). F;W;S;SS.

PHYSICS

- 201-202-203. GENERAL PHYSICS (4-4-4). F-W-S.
A study of the basic principles of physics; mechanics, heat, sound, electricity, magnetism, and light. Prerequisite: Mathematics 101-102-103 or 107-108. Lecture three hours, laboratory two hours. Physics 201-202-203 or 204-205-206 prerequisite to 300 courses and above.
- 204-205-206. GENERAL PHYSICS (4-4-4). F-W-S.
A more analytical and quantitative approach to modern and classical physics employing the calculus. Especially designed for students majoring in physics, chemistry, and mathematics. Prerequisite or co-requisite: Mathematics 211-212-213. Lecture three hours, laboratory three hours. Physics 201-202-203 or 204-205-206 prerequisite to 300 courses and above.
- 208 [204]. HOUSEHOLD PHYSICS (3). W.
The use and application of the principles of physics as they occur in modern household equipment. Prerequisite: 9 hours of mathematics. Lecture two hours, laboratory two hours.

300. **ELEMENTARY PHOTOGRAPHY** (3) . F.
A first course in the fundamentals of photography.
301. **MECHANICS** (4) . F.
Selected topics in dynamics, motion of a system of particles, motion of rigid bodies, vibrating strings and wave motion. Lecture three hours, laboratory two hours.
302. **HEAT AND THERMODYNAMICS** (4) . W.
A study of the first and second laws of thermodynamics, including topics such as temperature measurements, transfer of heat, evaporation and chemical reactions. Lecture three hours, laboratory two hours.
303. **ELECTRICITY AND MAGNETISM** (4) . S.
A study of electric and magnetic phenomena; electromagnetic induction; direct and alternating currents. Lecture three hours, laboratory two hours.
307. **DESCRIPTIVE ASTRONOMY** (3) . F;S.
A descriptive course in astronomy, the moon, sun, planets, stars, nebulae, and constellations.
401. **OPTICS** (4) . S.
A study of reflection and refraction, lenses and mirrors, electromagnetic waves, interaction of light with matter, optical instruments. Lecture three hours, laboratory two hours.
402. **MODERN PHYSICS** (3) . W.
Structure of atoms, nuclei, quantum mechanics, solid state theory, and a study of other selected topics.
403. **ELECTRONICS** (4) . W.
Basic electronics as applied in modern communication systems; electronic circuit theory, vacuum tube characteristics. Lecture three hours, laboratory two hours.
404. **INTRODUCTORY NUCLEAR PHYSICS** (3) . S.
An elementary treatment of nuclear reactions, properties of alpha, beta, gamma rays, cosmic rays, natural radio activity, particle accelerators, nuclear changes and energy relations. Lecture two hours, laboratory two hours.
- 405, 406, 407. **EXPERIMENTAL PHYSICS** (1,1,1) . F,W,S.
Advanced laboratory in mechanics, heat, optics, sound, light, nuclear physics. Laboratory three hours.
410. **SEMINAR** (3) . F;W;S.

EDUCATION AND PSYCHOLOGY

B. H. HORTON, *Chairman*, J. P. BAGLEY, J. G. BARDEN, B. G. BOSWORTH, J. E. BRYSON, B. CAMPBELL, J. COREY, G. COUNCILL, W. E. FULMER, C. D. HALE, J. E. HARRILL, I. F. JONES, R. G. LACEY, R. MCFARLAND, J. R. MELTON, W. D. MEREDITH, U. PRICE, J. A. PRITCHETT, JR., B. RAMEY, R. L. RANDALL, L. REYNOLDS, J. N. SAWYER, N. W. SHELTON, W. F. SMITH, J. E. STONE, B. F. STRICKLAND.

A student preparing to teach in the secondary school must complete Education 301, 302, Psychology 301, 302, 303, one methods course in his field of concentration, and Education 407.

A student preparing to teach in a special area must complete Education 301, 302, Psychology 301, 302, 303, methods course or courses in his field of concentration, and Education 404.

A student preparing to teach in the elementary school must complete Education 301, 302, 303, Psychology 301, 302, 303, Education 306, 401 or 402, 403, and 405. In the area of specialization he must complete Art 201, 202, 217; General Science 401; Geography 102, 103; History 306; Health 401; Library Science 304, 305; Music 301, 302, 303; Physical Education 214, 320; and an academic concentration in one field of at least 15 hours in addition to courses in General Education and courses required above.

Students who have not completed Education 010 or equivalent or who are not proficient in reading are required to complete Education 310. Students who are not proficient in composition and English grammar are required to complete English 206 and/or English 307.

By the end of the junior year, a major in Elementary Education should show proficiency in typing.

The department of education is devoted to the professional education of men and women who intend to enter the fields of teaching and educational administration. Specifically it is dedicated to the task of developing desired competences in the prospective teacher and school administrator. These competences include an understanding of the effective promotion of the growth and development of children and youth; the nature of the society in which the pupil lives and how it affects his growth and development; experiences in planning the curriculum better to meet the needs of the pupil, to take advantage of his interests, and to challenge his capacities; experiences in effective teaching methods; the importance of and working cooperatively with others for attaining the goals of education; skill in applying the principles and techniques of guidance and counseling; skill in promoting continuing personal and professional growth. The department is also devoted to developing further the competences needed in successful personal living outside as well as inside the school and the skill of becoming a successful, participating member of society.

010. DEVELOPMENTAL READING

(1) . F;W;S.

Required of all freshmen. This course is designed to afford immediate improvement of reading skills and study habits to enable freshmen carry out the academic requirements of college.

301-302-303. THE SCHOOL

(3-3-3) . F-W-S.

A study of the development and organization; management, administration, and curriculum; materials, methods, and principles of instruction; purposeful directed observation; differentiation for elementary and secondary school majors; professional laboratory experiences provided as an integral part of these courses, taken concurrently with Psychology 301-302-303.

304. SOCIAL STUDIES IN THE ELEMENTARY GRADES

(3) . S.

The place of social studies in the elementary curriculum: objectives, instructional procedures, materials, and evaluative criteria.

305. LANGUAGE ARTS IN THE ELEMENTARY SCHOOL

(3) . W.

An understanding of the communication skills—listening, speaking, reading, writing, spelling; a comparison of current methods and materials; an analysis and correlation of basic difficulties and the correlation of language arts with other activities.

306 [301, 401]. WRITING IN THE ELEMENTARY SCHOOL

(3) . F;W;S.

A functional approach to teaching manuscript and cursive writing. Required of all Elementary Majors.

307. MUSIC IN THE ELEMENTARY SCHOOL

(3) . W.

Same as Music 307.

308. MUSIC IN THE SECONDARY SCHOOL (3) . S.
Same as Music 308.
309. PIANO PEDAGOGY (3) . W.
Same as Music 309.
310. FOUNDATIONS OF READING (3) . F;W;S.
The course deals with the nature of the reading process and the development of basic reading skills. Required of majors in Elementary Education who have not completed 010 or who are not proficient in reading.
401. READING IN THE PRIMARY GRADES (3) . F;W;S.
Principles and practices of a balanced reading program. A study of systematic and differentiated procedures based on recent research. Prerequisites: Education 301, 302, Psychology 301, 302.
- 402 [404]. READING IN THE GRAMMAR GRADES (3) . F;W;S.
Teaching the fundamentals of reading at the grammar grade level; improvement of word recognition skills, rate, and comprehension; development of effective reading-study techniques. Prerequisites: Education 301, 302, 310, Psychology 301, 302.
- 403 [402, 403]. MATHEMATICS IN THE ELEMENTARY SCHOOL (3) . F;W;S.
A study of how children develop basic number concepts and learn to perform operations with natural numbers and fractions. Consideration of sequential learning experiences appropriate to each grade level. Prerequisites: Education 301-302, Psychology 301-302.
404. STUDENT TEACHING: SPECIAL SUBJECTS (15) . F;W;S.
Full time teaching experience under supervision for one quarter for students who plan to teach special subjects in grades 1-12. For students majoring in art, physical education and health, library science, music, special education.
405. STUDENT TEACHING: ELEMENTARY SCHOOL (15) . F;W;S.
Full time teaching experience under supervision for one quarter for students who plan to teach in grades 1-8 of the elementary school.
406. ADVANCED STUDENT TEACHING (10) . SS.
An advanced course in student teaching during the session of the Elementary Laboratory School, June to August. Open only to those who have teaching experience. Application for this course must be made to the Director of Student Teaching by March 1.
407. STUDENT TEACHING: HIGH SCHOOL (15) . F;W;S.
Full time teaching experience under supervision for one quarter for students who plan to teach secondary school subjects in grades 9-12.
408. TEACHING HIGH SCHOOL MATHEMATICS (3) . F;S.
Prerequisites: Education 301, 302, Psychology 301, 302.
409. TEACHING HIGH SCHOOL SCIENCE (3) . F;S.
Prerequisites: Education 301, 302, Psychology 301, 302.
410. TEACHING HIGH SCHOOL SOCIAL STUDIES (3) . F;W;S.
Prerequisites: Education 301, 302, Psychology 301, 302.

411. TEACHING HIGH SCHOOL ENGLISH (3) . F;S.
Prerequisites: Education 301, 302, Psychology 301, 302.
412. TEACHING FOREIGN LANGUAGES (3) . S.
Prerequisites: Education 301, 302, Psychology 301, 302.
413. TEACHING HOME ECONOMICS (3) . F;S.
Prerequisites: Education 301, 302, Psychology 301, 302.
414. TEACHING PHYSICAL EDUCATION (3) . F;W;S.
Prerequisites: Education 301, 302, Psychology 301, 302.
416. TEACHING INDUSTRIAL ARTS (3) . S.
Prerequisites: Education 301, 302, Psychology 301, 302.
417. TEACHING BUSINESS EDUCATION (3) . F;W;S.
Prerequisites: Education 301, 302, Psychology 301, 302.
418. TEACHING SPEECH (3) . S.
Prerequisites: Education 301, 302, Psychology 301, 302.
419. INSTRUMENTAL METHODS AND MATERIALS (2) . W.
A comprehensive survey of the materials and methods in instrumental class teaching. Prerequisites: Education 301, 302, Psychology 301, 302. Same as Music 419.
420. CHORAL METHODS AND MATERIALS (2) . S.
A comprehensive survey of the materials and methods in choral teaching. Same as Music 420.
431. CURRICULUM FOR KINDERGARTEN (3) . SS.
The organization and functions of the curriculum for children in the kindergarten.

Senior-Graduate Courses

450. SCIENCE IN THE ELEMENTARY SCHOOL (3) . SS;Ex.
Same as General Science 450.
453. ART EDUCATION WORKSHOP (3) . SS;Ex.
Same as Art 453.
454. SURVEY OF SPECIAL EDUCATION (3) . F.
An overview of the field of special education; identifying exceptional children; programs; facilities; literature, services, professional workers.
457. MATHEMATICS IN THE ELEMENTARY SCHOOL (3) . Ex.
Same as Mathematics 457. Available as a workshop.
458. MATHEMATICS IN THE SECONDARY SCHOOL (3) . Ex.
Same as Mathematics 458. Available as a workshop.
462. READING IN HIGH SCHOOL (3) . F;W;S.
Reading problems encountered on the high school level; reading in the content areas of the curriculum; the total school responsibility in reading improvement. Opportunities for practical application provided.

464. WORKSHOP IN TEACHING READING (3) . SS;Ex.
465. WORKSHOP IN LANGUAGE ARTS (3) . Ex.
466. INSTRUCTIONAL MATERIALS (3) . F;SS.
Survey of materials available to teachers for improvement of classroom instruction; the role of instructional materials in teaching and learning; sources, selection, and use of printed, free and inexpensive, graphic, audio-visual, and special materials for individualized instruction.
469. MUSIC EDUCATION WORKSHOP (3) . SS.
Same as Music 469.
471. ELEMENTARY SCHOOL CURRICULUM (3) . SS.
A study of the elementary school curriculum in modern schools; recent trends in curriculum revision and organization.
- 472, 473. DIAGNOSTIC AND REMEDIAL READING (3,3) . F;W;S.
A treatment of such topics as reading difficulties, their causes, and correction procedures. Opportunities for practical application are provided.
475. AUDIO-VISUAL INSTRUCTION (3) . F;W;S.
Advantages, limitations, and practical classroom applications of non-projected and projected materials. General principles underlying the selection, production, and use of models, maps, charts, slides, filmstrips, recordings, motion pictures. Available as a workshop.
477. TEACHING OF READING (3) . S;SS.
A study of current practices, materials, and philosophy of teaching reading on all levels.
478. PRINCIPLES OF GUIDANCE (3) . F;W;S.
An introductory study of public school guidance and counseling programs and practices. Available as a workshop.
490. SOCIAL FOUNDATIONS OF EDUCATION (3) . F;SS.
A first course in professional education designed to acquaint students with the role of the school in relation to its social setting and organization.
491. PHILOSOPHICAL FOUNDATIONS OF EDUCATION (3) . S;SS.
The purpose of this course is to look at the emphases of three general types of philosophy: realism, idealism, and pragmatism.

Graduate Courses

500. RESEARCH IN EDUCATION (3) . F;W;S.
A study of the various types of research and the logical organization of research and reporting; required in first quarter for persons working for Master of Arts Degree in any area in Education, Industrial Arts, Library Science, Music.
501. PUBLIC SCHOOL ADMINISTRATION (3) . SS.
A study of basic structure, organization, and administration of American public education; the role of the various agencies and administrative personnel; financial support; special problems. Prerequisite: three years' teaching experience.

502. ORGANIZATION AND ADMINISTRATION OF SECONDARY SCHOOLS (3) . F.
A study of secondary education and administration, research, curriculum, schedule making, opening and closing of school. Prerequisite: three years' teaching experience.
503. PROBLEMS OF THE HIGH SCHOOL PRINCIPAL (3) . S.
A study of the practical problems involved in secondary schools. Prerequisite: three years' teaching experience.
504. ORGANIZATION AND ADMINISTRATION OF THE ELEMENTARY SCHOOL (3) . W.
A study of the role of the administrator in modern elementary education. Prerequisite: three years' teaching experience.
505. SUPERVISION OF INSTRUCTION (3) . S.
A study of the nature and function of supervision, recent trends, teacher participation in policy formation, the organization and planning of supervision. Prerequisite: three years' teaching experience.
506. CURRICULUM CONSTRUCTION (3) . F.
A study of principles, effective practices, and techniques appropriate for over-all curriculum planning.
508. READING PROBLEMS (3) . SS.
A review of remedial techniques used in the treatment of reading problems; application of materials and methods for remedial work. Prerequisite: Education 472.
509. TESTS AND MEASUREMENTS (3) . W.
A survey and study of the principles of the construction of standard tests, with a consideration of good practices in teacher-made tests.
510. EXTRA-CURRICULAR ACTIVITIES (3) . F.
A study of extra-curricular activities which modern schools are expected to carry out as a part of their educational program.
511. INVESTIGATIONS IN READING (3) . F.
Investigations are made of the literature and research dealing with the teaching of reading.
- 512 [463]. JUNIOR HIGH SCHOOL CURRICULUM AND ORGANIZATION (3) . S;SS.
A study of the junior high school in terms of its origin, functions, curriculum, and organization.
513. TEACHING AND SUPERVISION OF THE LANGUAGE ARTS
IN THE ELEMENTARY SCHOOL (3) . SS.
The course deals with problems in oral and written communications and with reading and listening.
514. CURRICULUM CONSTRUCTION FOR EXCEPTIONAL CHILDREN (3) . S.
Curriculum development at different levels of maturation; organization, planning, adaptation of activities, materials, and methods.
515. ORGANIZATION AND SUPERVISION OF STUDENT TEACHING (3) . F.
A study of the origin and development of student teaching, including present status and trends.

516. ACTIVITIES AND TECHNIQUES OF THE SUPERVISION OF STUDENT TEACHING (3) . S.
A study of general techniques of a supervising teacher, including observation, guiding student teachers in planning, orientation of student teachers, student teacher participation, and evaluations. Available as a workshop.
517. COUNTY AND CITY SCHOOL SUPERVISION (3) . SS.
This course is planned for students preparing for positions as general county and city supervisors.
518. PUBLIC SCHOOL FINANCE (3) . F;SS.
A study of educational theory and operating principles which will contribute to the understanding of the nature and problems of public school finance in the United States and particularly in North Carolina. Prerequisite: three years' teaching experience.
520. OCCUPATIONAL AND EDUCATIONAL INFORMATION (3) . F;SS.
Designed to acquaint teachers and counselors with sources and uses of vocational and educational information.
522. TECHNIQUES OF COUNSELING (3) . SS.
Designed primarily for students certifying in guidance and counseling; emphasis on theory and practice. Prerequisite: Education 478, Psychology 450, 519.
523. ORGANIZATION AND ADMINISTRATION OF GUIDANCE SERVICES (3) . F;SS.
Primarily designed for those who desire to study the methods of introducing and establishing a school guidance program. Prerequisite: Education 478.
524. SEMINAR IN GUIDANCE (3) . W;SS.
Each individual will select some phase of guidance work, according to his special interests, for research and study. Prerequisites: Education 478, 500, and approval of adviser.
525. PROBLEMS IN PUBLIC SCHOOL ADMINISTRATION (3-6) . F;SS.
A study of current trends, issues, and problems related to the organization and administration of the instructional program. The course is designed for school administrators and other present and prospective educational leaders.
526. GROUP METHODS IN GUIDANCE (3) . F.
A study of group guidance methods and techniques most adaptable to public school guidance work and home room programs.
528. PRODUCTION AND CARE OF AUDIO-VISUAL MATERIALS (3) . F;SS.
Production of posters, charts, bulletin boards, maps, slides, films, and programmed materials. Includes design and use of color layouts, photography, graphics, and other special production techniques. Prerequisite: 475.
529. THE ORGANIZATION AND SUPERVISION OF SCHOOL MUSIC (3) . W;SS.
The responsibilities of the music supervisor in relation to the classroom teacher, the music teacher, and the school administration. Same as Music 529.
530. ADVANCED PRODUCTION OF AUDIO-VISUAL MATERIALS (3) . W;SS.
Continuation of Education 528 in breadth and depth. Emphasis on project productions for mass distribution.
531. SEMINAR IN MUSIC EDUCATION (3) . F;SS.
A review of the philosophy and practices in music education; reading of current studies. Same as Music 531.

532. USE AND CARE OF MACHINES AND EQUIPMENT (3). W;SS.
A study of operating techniques of audio-visual equipment, projection devices, recorders, cameras, electronic laboratories, teaching machines; preventive maintenance and minor repairs.
533. ELEMENTARY EDUCATION WORKSHOP (3). SS.
534. STATISTICAL METHODS (3). F;W;S;SS.
Interpretation, use, calculation of basic statistics.
535. PHILOSOPHY OF EDUCATION (3). F;SS.
A study of the biological, psychological, and sociological principles underlying modern life in a democracy as a basis for a sound philosophy of education.
536. PROGRAMED INSTRUCTION (3). SS.
A study of the basic principles of program construction; critical survey of equipment and materials presently available; use of machines and programed materials in the classroom; experience in programing.
537. ORGANIZATION AND ADMINISTRATION OF AN AUDIO-VISUAL PROGRAM (3). S;SS.
Selection and evaluation of materials and equipment, including an analysis of the adequacy and effectiveness of audio-visual programs in schools and school systems. Prerequisite: 475.
538. PRACTICUM IN COUNSELING (6). F;W;S;SS.
Actual practice in applying counseling techniques. During the summer this course is offered for eight weeks concurrent with the campus laboratory schools and is available primarily for ASTC degree candidates. Prerequisite: Completion of all other guidance courses and approval of instructor.
539. THE CORE CURRICULUM (3). SS.
A study of the development and organization of the core curriculum with consideration given to objectives, methods, activities, and evaluations of this type of curriculum.
540. INTERNSHIP IN SCHOOL ADMINISTRATION (6). F;W;S.
Arrangements may be made for qualified students to serve as interns under exceptionally good administrators to gain actual experience as principal, supervisor of instruction, or superintendent. The program may be set up to allow either a full quarter of internship or for part-time internship while employed in a school system.
541. INTERNSHIP PROGRAM FOR SUPERVISING TEACHERS (3). F;W;S.
A program designed for regularly employed public school teachers in which experiences will be provided to enable a supervising teacher to do a better job of supervising the work of a student teacher.
542. JUNIOR COLLEGE INSTRUCTION PROGRAM (3). F;SS.
A study of the materials and techniques of instruction used at the junior college level.
543. ORGANIZATION AND ADMINISTRATION OF THE JUNIOR COLLEGE (3). S;SS.
544. SEMINAR ON JUNIOR COLLEGES (3). F;W;S.
Discussion and analysis of the problems, research, and recent trends in the junior college.

545. PRACTICUM IN JUNIOR COLLEGE TEACHING (3). F;W;S.
546. CAMP LEADERSHIP AND CAMP ADMINISTRATION (3). SS.
The training of counselors for organized camping, with special reference to planning, scheduling, and conducting the various phases of the school camping program; laboratory experiences in the Appalachian High School Camp program.
547. SCHOOL CAMPING AND THE CURRICULUM (3). SS.
A study of the philosophy of camping, the curriculum relationships on the elementary and high school levels, with appropriate laboratory experiences in the Appalachian High School Camp program.
548. INDEPENDENT STUDY (3). F;W;S;SS.
549. SCHOOL BUILDING PLANNING (3). S;SS.
Emphasis upon educational planning of teaching space and facilities, planning buildings for newer instructional equipment, power requirements, efficient use of existing facilities, economical housekeeping and maintenance programs.
550. MASTER OF ARTS THESIS (6). F;W;S.
551. FIELD EXPERIENCE IN TEACHING READING (3 to 9). F;SS.
552. SUPERVISION OF JUNIOR COLLEGE INSTRUCTION (3). SS.
Organization and planning of supervision, the development of skills in co-operative planning, and the evaluation of activities for the college student.
553. PLANNING THE COMMUNITY COLLEGE (3). SS.
Analyzing communities and determining aims and objectives in planning curricula in general education and vocational education for the community college.
554. RADIO AND TELEVISION IN INSTRUCTION (3). W;SS.
A survey of programing techniques and optimum utilization of mass communications media; problems related to the reception and use of programs for classroom teaching and large group institution.
555. SEMINAR IN PROBLEMS IN AUDIO-VISUAL INSTRUCTION (3). S;SS.
Analysis of theory and research related to administrative and financial aspects of local, state, and nationally sponsored audio-visual programs; curricular integration of audio-visual materials for schools; relationship of production techniques to educational outcomes; the effects of communications on attitudes and social action.
556. PRACTICUM IN AUDIO-VISUAL PROGRAMS (3). F;W;S.
Actual field experience, under supervision, providing practice in the application of audio-visual procedures. May include experience in conducting workshops in audio-visual materials for teachers and/or services in the Audio-Visual Center.
560. SCHOOL LAW (3). SS.
The purpose of the course is to make clear the fundamental principles underlying the relation of the State to education and to reduce to systematic organization the principles of the case or common law which are applicable to practical problems or school organization and administration.

565. **ADVANCED PROGRAMED INSTRUCTION** (3). SS.
An intensive workshop in the preparation, design, and validation of programs for instruction; advanced programing techniques for teaching machines and programed text materials. Prerequisite: Education 536.

PSYCHOLOGY

100. **ASSEMBLY** (1/3, 1/3, 1/3). F,W,S.
Required of all freshmen.
201. **GENERAL PSYCHOLOGY** (3). F;W;S.
This course emphasizes psychology as a science of human behavior; man as a biological organism in a social world; man as a motivated person with attitudes, emotions, needs, desires; man as a thinking, imagining, reasoning, learning person. Attempts are made to relate man to his biological, physical, cultural, and personal worlds.
- 301-302-303. **THE PUPIL** (3-3-3). F-W-S.
Professional laboratory experiences are provided as an integral part of these courses. The kind and number of these experiences assigned will be determined by the instructor within the framework approved by the administration. These courses must be taken concurrently with Education 301, 302.
Physical and mental development of the child: Principles of development will be observed in children of different age levels in various social settings.
The learning process: Perceptual and motor learning, thinking and problem-solving behavior, guidance in learning school subjects, measuring the results of learning, and theoretical considerations.
Motivation and adjustment: General personality trends, mental hazards of the school child, clinical experiences in analysis and treatment of various personality difficulties.

Senior-Graduate Courses

450. **PSYCHOLOGY OF PERSONALITY** (3). F;SS.
A study of factors involved in the development and assessment of the normal personality.
451. **SOCIAL PSYCHOLOGY** (3). W.
A study of social implications and applications of group stimulation, response, interaction, change, and sometimes, disintegration.
452. **ABNORMAL PSYCHOLOGY** (3). S.
A study of various abnormal phases of behavior; treatment and prevention of certain mental diseases; examination of recent clinical and experimental findings.
460. **PSYCHOLOGY OF EXCEPTIONAL CHILDREN** (3). F;SS.
The psychology and treatment of children with superior and inferior mental ability; of children with motor, speech, hearing, neurological, visual defects.
465. **EXPERIMENTAL PSYCHOLOGY** (3). W.
A concentration upon the description of problems, methods, design, and procedures for analyzing data.

Graduate Courses

500. **PSYCHOLOGY OF THE CHILD** (3) . F;SS.
A study of the origin of life and the principles of growth operative during prenatal, postnatal, infant and childhood periods of life.
501. **PSYCHOLOGY OF EARLY ADOLESCENCE** (3) . W;SS.
A concentration of the physical, intellectual, social, and emotional changes expected during early adolescence.
502. **PSYCHOLOGY OF LATE ADOLESCENCE** (3) . S;SS.
A concentration of the physical, intellectual, social and emotional changes expected during late adolescence.
510. **PSYCHOLOGY OF THE GIFTED** (3) . S;SS.
A study of the identification, needs, and motivation of the gifted and of research conducted with this group.
511. **PSYCHOLOGY OF THE PHYSICALLY HANDICAPPED** (3) . W;SS.
An emphasis upon identification, potentialities, limitations, and concepts of self.
512. **PSYCHOLOGY OF THE MENTALLY RETARDED** (3) . F;SS.
An emphasis upon identification, potentialities, limitations, and concepts of self.
519. **ANALYSIS OF THE INDIVIDUAL** (3) . W;SS.
An application of psychological principles and guidance techniques of self-appraisal in order to be more effective with the appraisal of the personality of others. Prerequisite: Psychology 450.
527. **PSYCHOLOGICAL AND DIAGNOSTIC TESTING** (3) . S;SS.
This course concentrates on the administration, scoring and interpretation of either the Stanford-Binet Intelligence Test or the Wechsler Intelligence Scales. May be repeated for additional credit. Prerequisite: Education 509.
528. **PSYCHOLOGY OF LEARNING** (3) . F;W;S;SS.
A study of the learning process; conditions which influence learning; theories of learning.
530. **THEORIES OF PERSONALITY** (3) . S;SS.
A critical study of individual theories of personality structure and development with their characteristic research and influence.

ENGLISH

G. P. EGGERS, *Chairman*, R. AKERS, J. ALDRIDGE, J. F. BOZARD, A. BURKETT, J. CARPENTER, F. C. COOK, D. EGGERS, D. FRENCH, D. R. HODGIN, J. P. MACBRYDE, B. MCFARLAND, R. H. NEWALL, O. SAWEY, L. SHIPMAN, J. J. VAN NOPPEN, R. V. WHITE-NER, C. D. WILLIAMS.

A major in English must complete nine quarter hours of a foreign language beyond the elementary course and a minimum of fifty-seven quarter hours in English and related fields above General Education requirements. These will include 204, 206, 301, 302, 303, 304, 305, 401, 452, 453, Education 462, Library Science 467, Speech 207, and 18 elective hours in English and related fields.

An English major is required to take the English Option Examination of the National Teacher Examination.

The aim of the department of English is to give students competency in written and oral composition and in the interpretation and appreciation of literature.

The department of English requires as a prerequisite for the Master's degree an undergraduate major in English equivalent to that available at Appalachian State Teachers College. For the Master's degree, a minimum of 36 quarter hours (30 with a thesis) of English must be offered, including English 500, Bibliography and Research; English 506, History of the English Language; English 512, Literary Criticism. If the applicant is preparing for a graduate certificate to teach in secondary schools, he must offer at least 12 hours (9 if he is writing a thesis) in Education and Psychology, including Education 506, Curriculum Construction, and Education 509, Use and Interpretation of Educational Tests and Measurements. For requirements concerning the final comprehensive examination and the thesis, see the discussion of these elsewhere in this bulletin; or consult the Chairman of the Department.

101-102-103. GRAMMAR AND COMPOSITION (3-3-3) . F-W-S.

A study of grammar, sentence structure, principles of composition, vocabulary building; written compositions; introduction to literature.

201, 202, 203. ENGLISH LITERATURE (3,3,3) . F,W,S.

A survey of English literature from its beginnings to the twentieth century. Prerequisites: 101, 102, 103.

204. BACKGROUNDS OF ENGLISH LITERATURE (3) . F.

A study in translation of masterpieces of classical European literature and their influence on English and American writers.

205. ELEMENTS OF JOURNALISM (3) . F;W.

Writing news stories, editorials, features, and reviews; make-up of school and college newspapers.

206. ADVANCED COMPOSITION (3) . F;W;S.

301, 302, 303. AMERICAN LITERATURE (3,3,3) . F,W,S.

A survey of American literature from its beginnings to 1900.

304. CONTEMPORARY LITERATURE (3) . F;S.

A study of American literature from 1900 to the present.

305. CONTEMPORARY LITERATURE (3) . W.

A study of English literature from 1900 to the present.

306. THE SHORT STORY (3) . W.

Development of the short story in America and tendencies in the contemporary short story of America and England. Offered 1964-65.

307. ADVANCED ENGLISH GRAMMAR (3) . F;W;S.

401. ADVANCED ENGLISH GRAMMAR (3) . F;W;S.

For English and Foreign Language majors.

Senior-Graduate Courses

451. CHAUCER (3) . F.

Reading and interpretation of selections from *The Canterbury Tales*.

452. SHAKESPEARE'S COMEDIES (3) . F;S.

An analytical study of four representative comedies; oral and written reports on additional comedies and collateral reading.

453. SHAKESPEARE'S TRAGEDIES (3). W;S.
An intensive study of *Macbeth*, *Hamlet*, *King Lear*, and *Othello*; oral and written reports on additional tragedies and collateral reading.
454. POETRY OF THE ROMANTIC PERIOD (3). W.
A study of the poetry of Wordsworth, Coleridge, Shelley, Byron, and Keats, with some attention to the minor poets of the period.
455. POETRY OF THE VICTORIAN PERIOD (3). S.
A study of the poetry of Tennyson, Browning, Arnold, Rossetti, Swinburne, and others.
456. MILTON (3). F.
Rapid reading of Milton's poetry, with major emphasis on *Paradise Lost* and *Paradise Regained*. Collateral readings from the prose works.
457. ENGLISH LITERATURE, 1660-1744 (3). W.
English literature, exclusive of the drama, from the Restoration to the death of Pope.
458. ENGLISH LITERATURE, 1744-1798 (3). S.
English literature, exclusive of the drama, from the death of Pope to the beginning of the Romantic period. Supplementary reading from the major novelists.
459. BALLADS AND FOLK SONGS (3). W.
Designed primarily for the evaluation and enjoyment of ballads and folk songs; recordings of native ballad singers are used.
- 460 [500]. MODERN DRAMA (3). W.
A study of Continental, British, and American drama from Ibsen to the present, with emphasis on social and literary values.

Graduate Courses

500. BIBLIOGRAPHY AND RESEARCH (3). F;SS.
A study of bibliographical problems, types of research, organization and reporting of research. Required in the first quarter of beginning graduate students.
501. ENGLISH DRAMA, 1550-1600 (3). F.
502. ENGLISH DRAMA, 1600-1642 (3). W.
Prerequisite: English 501.
503. NON-DRAMATIC LITERATURE OF THE ELIZABETHAN PERIOD (3). S.
504. THE AMERICAN NOVEL (3). F.
The development of the American novel from Charles Brockden Brown to World War I, traced through a study of representative novels.
505. SOUTHERN LITERATURE (3). SS.
A study of the major Southern writers and their contribution to American literature.
- 506 [500]. HISTORY OF THE ENGLISH LANGUAGE (3). F.
Origin and development of the language; the relation of English to other languages.

507. VICTORIAN PROSE (3) . SS.
A study of selected writings by Macaulay, Newman, Carlyle, Ruskin, Arnold, and Pater.
508. AMERICAN LITERATURE (3) . F.
Studies in American literature from its beginnings to 1830.
509. AMERICAN LITERATURE (3) . W.
Studies in American literature, 1830-1870.
510. AMERICAN LITERATURE (3) . S.
Studies in American literature, 1870-1914.
511. AMERICAN LITERATURE (3) . S.
Studies in American literature, 1900 to the present.
512. LITERARY CRITICISM (3) . W.
The history of literary criticism from Aristotle to the end of the nineteenth century.
513. THE ENGLISH NOVEL (3) . W.
The history of the novel in England from its beginnings to 1832.
514. THE ENGLISH NOVEL (3) . S.
A study of the Victorian novel in its relation to the social, political, and economic background of the period.

FOREIGN LANGUAGES

J. R. PRINCE, *Chairman*, C. A. W. CAPSAS, W. MACAS, C. E. SCRUGGS, M. WALTERS.

A major in Foreign Languages consists of a minimum of 48 quarter hours in one language above the course level of 103, including 104, 105, 106, 201, 202, 203, 305, 306, 307, 308, 309, and four courses from 301, 302, 303, 401, 402, 403; English 401.

The primary objective of the department of foreign languages is to prepare language students to be good teachers. To attain this goal, the following objectives are sought and realized to varying degrees in all courses: to teach students to pronounce, speak, understand, read, and write the language they are studying; to give them basic knowledge of the principles of the grammar and syntax of the language; to help them gather valuable and interesting information and materials about the country and peoples whose language they are to teach; to introduce them to the literature in the language and help them gain an appreciation for its masterpieces; to prepare them to be better citizens of the world through knowledge of the languages and cultures of peoples; to help them appreciate and be enthusiastic about the language so they will want to teach it to others.

THE FOREIGN LANGUAGE LABORATORY

The department of Foreign Languages has a thirty-booth electronic language laboratory. Each booth is equipped with a dual-channel tape recorder, a microphone, and activated earphones. In the laboratory students listen and respond to prerecorded tapes which deal with the material covered in their courses. The main purpose of the laboratory is to increase the student's ability to pronounce, speak, and understand the language. The department believes that the laboratory increases the efficiency of language learning and that the extra hours spent in the laboratory can be the student's most productive study time.

FRENCH**101-102-103. ELEMENTARY FRENCH** (3-3-3) . F-W-S.

The essentials of French grammar, vocabulary and idioms; conversational texts used to develop fluent speech and accurate pronunciation. Open to those with no previous preparation in French or those who make a low score on the French test. Recitation three hours and laboratory two hours.

104-105-106. INTERMEDIATE FRENCH (3-3-3) . F-W-S.

Review of French grammar and idioms covering advanced principles; aural-oral practice in classroom and laboratory; readings in French from selected texts. Prerequisite: two units of high school French and a good score on French test or 101-102-103. Recitation three hours and laboratory two hours.

201, 202, 203. CONVERSATIONAL FRENCH (3,3,3) . F,W,S.

A course to give practical experience in speaking French; students converse with each other, take dictation, memorize and recite dialogues, ask and answer questions; some composition in French. Prerequisite: 104-105-106 or the equivalent. Recitation three hours and laboratory two hours.

301, 302, 303. FRENCH LITERATURE TO 1800 (3,3,3) . F,W,S.

A survey of the development of the French language and literature; extensive outside reading; class text material chosen from great authors; class reports on plays. 301 approximately to 1630; 302 the seventeenth century or the classic period; 303 the eighteenth century. Prerequisite: 104-105-106 or the equivalent. Lecture three hours and laboratory work.

305, 306. FRENCH CIVILIZATION (3,3) . F,W.

A brief study of the history, government, geography, art, music, customs, educational system of France. A course designed to give useful information about the people who speak French; background reading and study. Prerequisite: 104-105-106 or the equivalent. Lecture three hours and laboratory work.

307, 308. ADVANCED GRAMMAR AND COMPOSITION (3,3) . F,W.

A study of French grammar, idioms and syntax. Stress on difficult points of grammar which were not covered in earlier courses. Writing of original compositions and translations from English to French. The purpose is to give students a thorough knowledge of French grammar so that they will be well-prepared as teachers. Prerequisite: French 104-105-106.

309. PHONETICS AND DICTION (3) . S.

An analysis of the phonetic system of French, studying the physical basis of French sounds and their relation to spelling, making phonetic transcriptions, using the laboratory for ear training, along with constant study and practice of the proper manner and production of French sounds. Recitation three hours and laboratory work.

401, 402, 403. FRENCH LITERATURE OF THE NINETEENTH AND TWENTIETH CENTURIES (3,3,3) . F,W,S.

A survey of French literature in modern times; text material chosen from the great authors; class reports on plays; extensive outside readings. 401 covers the Romantic period; 402 from about 1850 to 1920; 403 modern contemporary literature particularly since World War II. Prerequisite: 104-105-106 or the equivalent. Lecture three hours and laboratory work.

SPANISH**101-102-103. ELEMENTARY SPANISH** (3-3-3) . F-W-S.

The essentials of Spanish grammar, vocabulary and idioms; conversational texts used to develop fluent speech and accurate pronunciation. Open to those with no previous preparation in Spanish or those who make a low score on Spanish test. Recitation three hours and laboratory two hours.

104-105-106. INTERMEDIATE SPANISH (3-3-3) . F-W-S.

Review of Spanish grammar and idioms covering advanced principles; aural-oral practice in classroom and laboratory; readings in Spanish from selected texts. Prerequisite: two units of high school Spanish and a good score on Spanish test or Spanish 101-102-103. Recitation three hours and laboratory two hours.

201, 202, 203. CONVERSATIONAL SPANISH (3,3,3) . F,W,S.

A course to give practical experience in speaking Spanish; students converse with each other, take dictation, memorize and recite dialogues, ask and answer questions; some composition in Spanish. Prerequisite: Spanish 104-105-106 or the equivalent. Recitation three hours and laboratory two hours.

301, 302, 303. SURVEY OF SPANISH LITERATURE (3,3,3) . F,W,S.

A study of the masterpieces of Spanish literature particularly the *Siglo de Oro*, Don Quijote, the Romantic period and the regional novel; class texts chosen from greatest authors; extensive outside readings and class reports. Prerequisite: Spanish 104-105-106 or the equivalent. Lecture three hours and laboratory work.

305, 306. HISPANIC CIVILIZATION (3,3) . F,W.

A brief study of the history, government, geography, art, music, customs, educational systems of Spain and the Spanish-American countries. A course designed to give useful information about the people who speak Spanish; background reading and study. Prerequisite: Spanish 104-105-106. Lecture three hours and laboratory work.

307, 308. ADVANCED GRAMMAR AND COMPOSITION (3,3) . F,W.

A study of Spanish grammar, idioms and syntax. Stress on difficult points of grammar which were not covered in earlier courses. Writing of original compositions and translations from English to Spanish. The purpose is to give students a thorough knowledge of Spanish grammar so that they will be well-prepared as teachers. Prerequisite: Spanish 104-105-106.

309. PHONETICS AND DICTION (3) . S.

An analysis of the phonetic system of Spanish, studying the physical basis of Spanish sounds and their relation to spelling, making phonetic transcriptions, using the laboratory for ear training, along with constant study and practice of the proper manner and production of Spanish sounds. Recitation three hours and laboratory work.

401, 402, 403. SURVEY OF SPANISH-AMERICAN LITERATURE (3,3,3) . F,W,S.

The most important writings from the various Spanish-American countries; class text material chosen from the writings of the main literary figures from colonial times to the present; extensive background readings in literature and on literary figures. Prerequisite: Spanish 104-105-106 or the equivalent. Lecture three hours and laboratory work.

GERMAN**101-102-103. ELEMENTARY GERMAN**

(3-3-3). F-W-S.

The essentials of German grammar, vocabulary and idioms; conversational texts used to develop fluent speech and accurate pronunciation. Open to those with no previous preparation in German or those whose previous preparation is inadequate. Recitation three hours and laboratory two hours.

104-105-106. INTERMEDIATE GERMAN

(3-3-3). F-W-S.

Rapid review of German grammar and idioms covering the more advanced principles; aural-oral practice in classroom and laboratory; readings in German from selected texts. Prerequisite: German 101-102-103 or the equivalent. Recitation three hours and laboratory two hours.

HEALTH AND PHYSICAL EDUCATION

MARSHALL L. WALTERS, *Chairman*, E. B. DEGROAT, J. H. DUNCAN, C. H. HODGES, F. L. HOOVER, R. G. LIGHT, C. G. MEEKS, C. J. MEREDITH, F. A. MYER, R. E. THOMAS, R. M. TOMLINSON, M. J. WALKUP, R. W. WATKINS.

The objectives of the department are:

1. To prepare teachers in health education, physical education, and recreation for the public schools, and related agencies.
2. To prepare athletic coaches for the schools.
3. To provide health instruction which will lead to healthful living.
4. To provide experience in physical education activities which will lead to acquisition of skill and fitness, with leisure-time or recreational value.
5. Through group and individual guidance to strive for optimum development of personality.
6. To uphold and promote high ethical standards in the profession.

A major in Health and Physical Education consists of 62 quarter hours, including Health Education 101, 102, 103, 401; Physical Education 210, 211, 212, 214, 215, 307, 312, 320, 401, 409, 412. In addition, men must complete 301, 302, 303, and in addition to General Education requirements, courses from 216, 309, 310, 403, 404, 405, 406, 408, 410, 411. Women must complete 216, 304, 305, 306, 309, 311, 402, 403, 404, 408.

It is recommended that a major in Physical Education use elective hours to qualify for a teaching certificate in a second field.

ACTIVITY COURSES

Majors are required to take nine quarter hours of activity classes and non-majors six. Majors should distribute these over the first three years, non-majors over the first two. A physical education activity course may be taken in any term offered. Sections are limited in capacity to the space available. Students are urged to take some activity course to maintain health and fitness throughout their college careers.

No rigid system of taking activity courses in number sequence holds. Students may take courses in any order, provided they take the minimum required.

Transfer students may on application receive credit for activity courses, provided they take and pass a proficiency examination in the activity. Failure to pass the examination means the student will take the course at Appalachian.

In activity courses for majors, fundamentals, skills, conditioning, rules, strategy, and teaching techniques are emphasized.

Course numbers followed by "M" are for men only. Course numbers followed by "W" are for women only. Course numbers without any letter identification are for both men and women.

Gym suits are furnished and laundered by the college for on-campus activity classes. Students furnish their own white athletic socks, white rubber-soled shoes, and jackets. Suits are furnished for women's swimming classes. Students furnish their own caps. Towel service is provided.

HEALTH EDUCATION

101. PERSONAL HEALTH (3) . F.
Personal health and hygiene, total fitness: physical, mental, emotional.
102. FAMILY AND COMMUNITY HEALTH (3) . W;S.
Health of the infant, child, adolescent, young, and mature adult: home and community health and hygiene.
103. FIRST AID AND SAFETY (3) . S.
The principles and practices as applied to emergency first aid and safety in the home, school, and community. Factors related to civilian defense.
201. FUNDAMENTALS OF HEALTH (3) . F;W;S.
A study of personal, community, and family health needs. Not open to majors in physical education.
401. METHODS AND MATERIALS IN HEALTH EDUCATION (3) . F;W;S.
Health services, healthful school living, and health instruction in the school. Resource aids, especially in relation to community health programs. Elementary and secondary teachers will be given assignments to fit their levels.

Senior-Graduate Courses

452. SAFETY EDUCATION (3) . W.
Study of safety procedures and techniques and programs; analysis of Safety Council statistics and their meaning for school and community; industrial safety programs applicable to the school; driver education programs; planning community safety educational programs and campaigns; safety in sports and recreation.

PHYSICAL EDUCATION ACTIVITY FOR NON-MAJORS

100. BODY MECHANICS AND FITNESS (1) . F;W;S.
101. SWIMMING (1) . F;W;S.
- 102M, 102W. BASKETBALL AND TUMBLING (1) . W;S.
- 103M, 103W. SOFTBALL, SPEEDBALL, AND INDOOR TEAM GAMES (1) . F;S.
- 104M. TOUCH FOOTBALL AND WRESTLING (1) . F.
105. MODERN DANCE (1) . W.
- 106M, 106W. ARCHERY AND ADVANCED VOLLEYBALL (1) . S.
107. ADVANCED SWIMMING (1) . W.
201. TENNIS, BADMINTON, AND FUNDAMENTAL GYMNASTICS (1) . F.S.
202. FOLK AND SOCIAL DANCE (1) . W;S.
- 203M. VOLLEYBALL AND SOCCER (1) . F;S.
- 203W. VOLLEYBALL AND FIELD HOCKEY (1) . F;S.

PHYSICAL EDUCATION ACTIVITY

110. SWIMMING (1). F;W;S.
- 111M, 111W. BASKETBALL AND TUMBLING (1). F;W;S.
- 112M, 112W. SOFTBALL AND VOLLEYBALL (1). F;S.
113. ADVANCED SWIMMING (1). W.
- 114M, 114W, ADVANCED VOLLEYBALL (1). S.
204. TENNIS AND BADMINTON (1). F;S.
205. FOLK, SOCIAL, AND MODERN DANCE (1). F;W;S.
206. ARCHERY AND GYMNASTICS (1). S.
- 301M. SOCCER, SPEEDBALL, AND INDOOR GAMES (1). F;S.
- 302M. WRESTLING (1). W.
- 303M. TRACK AND FIELD (1). F;S.
- 304W. SOCCER, FIELD HOCKEY, AND INDOOR GAMES (1). F;S.
305. ADVANCED SOCIAL DANCE (1). W.
306. MODERN DANCE (1). S.
- 313 [307]. BEGINNING SKIING (1). W.
314. SKIING (1). W.

PHYSICAL EDUCATION

210. HUMAN ANATOMY (3). F.
A study of the gross structure of the human body. Prerequisite: Biology 104, 105, 106.
211. HUMAN PHYSIOLOGY (3). W.
A study of the basic functions of the human organism. Prerequisite: 210 or equivalent.
212. PHYSIOLOGY OF MUSCULAR ACTIVITY (3). S.
A study of the application of physiological principles to muscular action of the human organism. Prerequisite: 211 or equivalent. Lecture two hours, laboratory two hours.
214. PHYSICAL EDUCATION FOR THE ELEMENTARY SCHOOL (3). F;W;S.
Organization, planning, and administration of activities for elementary school pupils. Methods of teaching, aids, techniques, and experiences in rhythemics, group games, stunts, and relays. Fundamental body skills to fit each level of maturation.
215. INTRODUCTION AND HISTORY OF PHYSICAL EDUCATION (3). F;W;S.
An orientation into the field of physical education through the study of historical backgrounds, systems and organizations, leaders and movements, and programs and sports of the past and present.
- 216M, 216W. STUNTS AND TUMBLING, MATERIALS AND METHODS (2). W;S.
Teaching methods, theory and application of skills. Classroom work and laboratory participation are interrelated.
307. KINESIOLOGY (3). W;S.
Mechanical and anatomical fundamentals of human motion. Muscular analysis of body movements utilized in physical education activities will be stressed. Lecture two hours, laboratory two hours. Prerequisite: 210.

309. DANCE MATERIALS AND METHODS (2). F;S.
Theory and practice in the teaching of folk, square, social, and modern dances. Prerequisite: activity course in dance.
- 310M. TRACK AND FIELD, METHODS AND MATERIALS (2). F;S.
Fundamental skills, applied techniques, and the theory of teaching track and field athletics. Prerequisite: activity course in track and field.
- 311W. FIELD SPORTS FOR WOMEN, METHODS AND MATERIALS (2). F.
For women preparing to teach and coach speedball, softball, field hockey, tennis, and archery. Skills, techniques, rules, and officiating are included. Prerequisites: activity courses in field sports.
312. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION (3). W;S.
Problems in organization, administration, and supervision of the physical education program and methods of solving these problems.
- 320 [213]. PRINCIPLES OF HEALTH, PHYSICAL EDUCATION, AND RECREATION (3). F;W;S.
A summarization of the historical and present concepts which relate to principles of health, physical education, and recreation.
401. TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION (3). F;W.
A theory and methods course in the application of measurement to health and physical education programs.
- 402W. INDOOR SPORTS FOR WOMEN, METHODS AND MATERIALS (2). S.
The theory and practice of teaching and coaching women's basketball, volleyball, and team games. Prerequisites: activity courses in basketball, volleyball, indoor games.
403. SWIMMING, METHODS AND MATERIALS (2). F;W;S.
Theory, practice, and methods in teaching swimming and water safety. Prerequisites: activity courses in swimming.
404. TENNIS AND BADMINTON, METHODS AND MATERIALS (2). F;S.
Fundamentals, strokes, strategy, and rules of tennis and badminton. Prerequisites: activity courses in tennis and badminton.
- 405M. FOOTBALL, METHODS AND MATERIALS (2). F;S.
Coaching of fundamentals, team offensive and defensive systems, team organization, training methods, and scouting. Prerequisite: football participation or football activity course.
- 406M. BASEBALL AND SOFTBALL, METHODS AND MATERIALS (2). F;S.
Fundamentals of playing all positions with training methods. Team strategy, rules, scoring, and officiating. Prerequisites: activity courses in softball and baseball.
407. INTRAMURAL SPORTS (3). S.
Organization, administration, and promotion of intramural programs for schools, recreation centers, industry, and community. Experience in conducting and officiating in intramural programs. Offered in 1963-64 and alternate years.
- 408M, 408W. BASKETBALL, METHODS AND MATERIALS (2). W;S.
Skills, conditioning, offensive and defensive team play. Rules, scoring, and officiating. Prerequisite: basketball participation or basketball activity course.

409. ADAPTED PHYSICAL EDUCATION (3). W;S.
A survey of abnormalities, preventive and corrective techniques, with activities designed to aid handicapped or exceptional persons to participate in activities fitted to their needs. Prerequisites: 210, 211, 212, 307, or equivalents.
- 410M. WRESTLING, METHODS AND MATERIALS (2). W.
Fundamentals, theory, coaching, rules, and officiating. Prerequisite: wrestling participation or wrestling activity course.
- 411M. SOCCER, METHODS AND MATERIALS (2). F;S.
Theory and practice in teaching soccer skills and the coaching of a soccer team. Prerequisite: soccer activity course.
412. PREVENTION AND CARE OF ATHLETIC INJURIES (3). F;W;S.
Prevention and care of injuries; use of supports, massage, therapeutic techniques, and conditioning exercises. Prerequisites: Health Education 103, Physical Education 210, 211, 212, 307, or the equivalent. Lecture two hours, laboratory two hours.

Senior-Graduate Courses

451. PLANNING THE RECREATION PROGRAM (3). S;SS.
Lecture and discussions on basic philosophy, principles and practices, current trends, financing the program, methods and procedures, leadership training, organization and administration, facilities, and equipment. Offered on Saturday, spring quarter, 1964-65.
453. ADVANCED FOOTBALL COACHING (3). SS.
Open to experienced coaches. Study and diagnosis of football coaching problems and methods.
454. ADVANCED BASKETBALL COACHING (3). SS.
Open to experienced coaches. Study and diagnosis of basketball coaching problems and methods.
455. CONTEMPORARY AND COMPARATIVE HEALTH AND PHYSICAL EDUCATION (3). F;SS.
An extensive and intensive study of the health, physical education, recreation, and sports program in various countries of the world. A study of present programs and trends.

Graduate Courses

A graduate major in Health and Physical Education consists of a minimum of 36 quarter hours including Health and Physical Education 500. A program of studies will be determined through counseling to meet the needs and interests of the individual graduate student.

500. BIBLIOGRAPHY AND RESEARCH (3). F;SS.
A study of bibliographical problems, types of research, organization and reporting of research. Required in the first quarter of beginning graduate students.
501. SCIENTIFIC BASES OF PHYSICAL EDUCATION (3). F;SS.
Past and present findings and theories in the various specialties and disciplines, and how they apply to physical education.

502. CURRICULUM CONSTRUCTION IN THE HIGH SCHOOL (3). W;SS.
Study and evaluation of the curriculum and program development and construction of health and physical education for the secondary school. Various approaches such as statistical data, survey methods, constituency analysis, state requirements are used.
503. ANALYSIS OF PSYCHO-MOTOR ACTIVITY (3). S;SS.
Principles of physics, anatomy, and physiology as they apply to mechanical analysis of skills in movement.
504. PHILOSOPHY OF HEALTH, PHYSICAL EDUCATION (3). S;SS.
A study of the philosophies of outstanding leaders in health, physical education, and recreation, past and present.
506. MEASUREMENT AND EVALUATION IN HEALTH AND PHYSICAL EDUCATION (3). W;SS.
An analysis of the measurement and evaluation programs in health and physical education with specific emphasis on test selection, test construction, test administration, test evaluation, and the organization and administration of measurement and evaluation programs.
507. ADMINISTRATION AND SUPERVISION OF HEALTH AND PHYSICAL EDUCATION (3). W;SS.
Recent trends in the theory and practice of supervision; training and qualifications of the supervisor on each level of school administration.
508. ADMINISTRATION OF ATHLETICS (3). S;SS.
Study and analysis of the organization, administration, and operation of the athletic program: schedules, contracts, equipment, insurance, travel, medical factors, officiating, and evaluation.
509. SEMINAR IN HEALTH AND PHYSICAL EDUCATION (3). S;SS.
Lecture, discussion, research, review, and summary of the fields of health and physical education and application of findings of specific areas of teaching experience. A course for teachers with experience who are capable of intensive graduate study. Offered on Saturday, fall quarter, 1963-64.
- 511 [456]. CURRICULUM CONSTRUCTION IN THE ELEMENTARY SCHOOL (3). F;SS.
A study and evaluation of the curriculum and programs of physical education for the elementary school. Application of facts of maturation to the development of the curriculum. Offered Saturday, fall quarter, 1964-65.
550. MASTER OF ARTS THESIS (6). F;W;S;SS.

HOME ECONOMICS

MARY BROWN ALLGOOD, *Chairman*, R. HANSON, M. RHYNE, J. ROBERTSON, V. WELBORN.

A major in Home Economics consists of a minimum of 57 quarter hours in Home Economics, including 101, 102, 103, 104, 105, 106, 204, 206, 207, 300, 302, 303, 304, 306, 307, 401, 402, 405, 409, and 12 quarter hours in the following related courses: Art 104, Biology 308, Physics 208, Sociology 401.

The objectives of the department of home economics are to help students become better citizens and members of society, have a workable knowledge of principles involved in home and family living, prepare for teaching some phases

of home and family living at the secondary level, or to work in some other areas of home economics.

Home Economics 308, 309, 310, 311 are courses in Institutional Administration available as electives.

It is recommended that majors in Home Economics qualify for the standard First Aid Certificate given by the American Red Cross.

Courses that do not require prerequisites are open to all students.

- 101-102-103. TEXTILES AND CLOTHING (3-3-3). F-W-S.
The application of fundamental art principles, fashion, and knowledge of fabrics to clothing selection and construction. Lecture one hour, laboratory four hours.
104. ELEMENTARY NUTRITION (3). F.
A study of food and its relation to body use and needs. Prerequisite: Chemistry 111-112-113.
105. PRINCIPLES OF FOOD PREPARATION (3). W.
A study of the basic principles of food preparation. Prerequisite: 104. Lecture one hour, laboratory four hours.
106. MEAL PLANNING (3). S.
Planning, preparation, and serving of family meals. Prerequisite: 105. Lecture one hour, laboratory four hours.
204. ADVANCED FOODS (3). F.
A study of food conservation and meal preparation for everyday and special occasions. Prerequisites: 104-105-106. Lecture one hour, laboratory four hours.
206. CLOTHING FOR THE FAMILY (3). W.
A study of the social, economic, psychological, physiological, and managerial aspects of clothing for the family. Prerequisite: Economics 200.
207. HOME FURNISHINGS (3). S.
Planning furnishings for livable homes with emphasis on function, economy, beauty, and individuality. Prerequisite: Art 104. Lecture two hours, laboratory two hours.
300. CHILD DEVELOPMENT (3). F.
Study of the preschool child and his relationships to others. Prerequisite: Psychology 201.
302. CONSUMER PROBLEMS (3). W.
A study of resources to obtain personal and family satisfactions.
303. HOUSING (3). W.
A study of the community, economic and practical problems involved in planning shelter for the family. Prerequisite: 207.
304. ADVANCED CLOTHING CONSTRUCTION (3). F;S.
Clothing selection, design, and construction in a variety of fabrics with emphasis on individual needs. Prerequisites: 101-102-103 and Art 204. Laboratory six hours.
306. TEXTILES (3). F.
A study of the manufacture, identification, selection, analysis, and care of fabrics. Lecture two hours, laboratory two hours.

307. HOUSEHOLD EQUIPMENT (3) . S.
Selection, operation, care and arrangement of equipment. Prerequisite: Physics 208. Lecture one hour, laboratory four hours.
308. QUANTITY COOKERY (4) . F.
A study and practice in planning and preparing foods in College Cafeteria. Prerequisites: 104, 105, 106, 204 and Chemistry 201, 202, 203. Lecture one hour, laboratory six hours.
309. ORGANIZATION AND ADMINISTRATION (3) . W.
Problems in personnel management.
310. FOOD PRODUCTION AND DISTRIBUTION (3) . S.
Grading, storage, and purchasing of foods in large quantities.
311. COUNTER SUPERVISION (2) . F;W;S.
Supervised institutional experiences in College Cafeteria. Laboratory four hours.
400. HOUSE PLANNING AND DESIGN (3) . W.
Same as Industrial Arts 400. Offered 1963-64.
401. HOME MANAGEMENT PRINCIPLES (2) . F;S.
A study of the principles involved in the management of family resources.
402. HOME MANAGEMENT HOUSE RESIDENCE (4) . F;W;S.
Experience in applying principles of homemaking to the family unit. Fee \$120. Prerequisite: 401.
405. ADVANCED NUTRITION (3) . S.
Planned dietaries for special conditions and diseases; food budgets for different income levels. Prerequisite: 104. Lecture two hours, laboratory two hours.
409. DEMONSTRATION TECHNIQUES (3) . F;W.
The application of good demonstration techniques as a teaching device. Prerequisites: 204 and 307. Laboratory six hours.
413. TEACHING HOME ECONOMICS (3) . F;W;S.
Same as Education 413. Prerequisites: Education 301-302, and Psychology 301-302.

INDUSTRIAL ARTS

D. A. RIGSBY, *Acting Chairman*, H. S. DECKER,* C. C. OWEN, F. R. STECKEL.

A major in Industrial Arts consists of 69 quarter hours, including 101-102-103; 201-202-203; three courses from 204, 205, 206, 207, 208; 301-302-303; 304, 305, 306-307, 401 or 402, 403; six hours each in advanced courses in at least two areas; Education 475.

101-102-103. ENGINEERING DRAWING (3-3-3) . F-W-S.

Lettering, geometric constructions, freehand sketching, normal, inclined, oblique surfaces, cylindrical surfaces, plotted curves, sectioning, auxiliary views, threads; dimensioning, first angle projection, ink tracing, working drawings. Lecture one hour, laboratory five hours.

201-202-203. Woods (3-3-3) . F-W-S.

The cutting, shaping, jointing, veneering and finishing of wood products, both hand and machine work, and related wood technology. Lecture one hour, laboratory five hours.

* Leave of absence.

204. GENERAL SHOP: LEATHER (3). F;W.
Basic processes and techniques involved in working with leather. Development of course materials suitable for use in a general shop. Lecture one hour, laboratory five hours.
205. GENERAL SHOP: CERAMICS (3). F;S.
Basic processes and techniques involved in working with ceramics. Development of course materials suitable for use in general shop. Lecture one hour, laboratory five hours.
206. GENERAL SHOP: ART METAL (3). W.
Basic processes and techniques involved in working with art metal. Development of course materials suitable for use in a general shop. Lecture one hour, laboratory five hours.
207. GENERAL SHOP: JEWELRY (3). F.
Basic processes and techniques involved in working with jewelry. Development of course materials suitable for use in a general shop. Lecture one hour, laboratory five hours.
208. GENERAL SHOP: PLASTICS (3). F.
Basic processes and techniques involved in working with plastics. Development of course materials suitable for use in a general shop. Lecture one hour, laboratory five hours.
209. MACHINE DRAWING (3). F.
Detail, assembly, and production drawing. Lecture one hour, laboratory five hours.
- 217 [207]. GENERAL CRAFTS (3). F;S.
A general crafts class for non-majors, consisting of three basic crafts: leather, ceramics, and metals. The leather craft will include decorating and fabrication of leather. The ceramics will include shaping, forming, and decorating of clay. The metals will include copper enameling, casting, art metal forming and jewelry. Lecture one hour, laboratory five hours.
- 301-302-303. METALS (3-3-3). F-W-S.
The cutting, shaping and casting, and machining of ferrous and non-ferrous metals and related metal technology. Lecture one hour, laboratory five hours.
304. POWER MECHANICS (3). W;S.
Theory and practice of compact internal combustion power sources. Lecture one hour, laboratory five hours.
305. ELECTRICITY (3). F.
A.C., D.C., fundamentals, lecture one hour, laboratory five hours.
- 306-307. ELECTRONICS (3-3). W-S.
A.C., D.C., motors; vacuum tubes, transistors and related electronic components, with applications. Lecture one hour, laboratory five hours.
308. PRODUCTION TECHNIQUES, WOOD (3). F.
Jigs, fixtures, and related production techniques. Lecture one hour, laboratory five hours.
310. SHEETMETAL (3). W.
Layout and fabrication of sheetmetals. Lecture one hour, laboratory five hours.

311. PRODUCTION TECHNIQUES, METALS (3) . S.
Jigs, fixtures, and related production techniques. Lecture one hour, laboratory five hours.
312. ELECTRONICS, ADVANCED (3) . F.
Electronic control and regulation, including the thyratron. Lecture one hour, laboratory five hours.
- 313-314. ARCHITECTURAL DRAWING (3-3) . On demand.
Details through complete set of plans for residential structure. Lecture one hour, laboratory five hours.
316. INDUSTRIAL ARTS FOR THE ELEMENTARY SCHOOL TEACHER (3) . W.
An industrial arts and crafts course for elementary school teachers. Emphasis on manipulation experience and handwork adapted to the elementary school child. Not open to majors in Industrial Arts. Lecture one hour, laboratory five hours.
324. LEATHER (3) . F;W.
Advanced techniques in leather craft with emphasis upon design and skill. Methods of organizing and teaching. Development of course material suitable for a unit shop. Lecture one hour, laboratory five hours.
325. CERAMICS (3) . F;S.
Advanced techniques in ceramics with emphasis upon design and skill. Methods of organizing and teaching. Development of course material suitable for a unit shop. Lecture one hour, laboratory five hours.
326. ART METAL (3) .W.
Advanced techniques in art metal with emphasis upon design and skill. Methods of organizing and teaching. Development of course material suitable for a unit shop. Lecture one hour, laboratory five hours.
327. JEWELRY (3) . F.
Advanced techniques in jewelry and emphasis upon design and skill. Methods of organizing and teaching. Development of course material suitable for a unit shop. Lecture one hour, laboratory five hours.
400. HOUSE PLANNING AND DESIGN (3) . W.
Architectural styles, planning, building materials as related to residential structures. Lecture one hour, laboratory five hours. Offered 1963-64.
401. EQUIPMENT AND MAINTENANCE, WOOD (3) . W.
Operation and maintenance of woodworking machines and tools. Lecture one hour, laboratory five hours.
402. EQUIPMENT AND MAINTENANCE, METALS (3) . F.
Operation and maintenance of metalworking machines and tools. Lecture one hour, laboratory five hours.
403. ORGANIZATION AND EQUIPMENT (3) . S.
Planning and equipping industrial arts laboratories; budgets, sources, requisitions, storage. Lecture three hours.
404. WELDING (3) . W.
Arc and oxy-acetylene welding. Lecture one hour, laboratory five hours.

Senior-Graduate Courses

452. CONTEMPORARY INDUSTRIAL FINISHING (3). On demand.
The course consists of the care and maintenance of finishing equipment; the selection and use of spray equipment and the preparation of the surface to be finished; staining, filling, undercoating, top coating as well as rubbing out the final coat; application of simple and synthetic finishes. Each student should bring a small piece of furniture, such as an end table, coffee table, or small wood object for finish. Lecture one hour, laboratory five hours.
454. PERIOD FURNITURE (3). On demand.
The study of furniture in its important design and periods. The student will design and construct a piece of period furniture. Prerequisite: nine quarter hours of wood working or its equivalent. Lecture one hour, laboratory five hours.
455. CONTEMPORARY FURNITURE (3). On demand.
The design and construction of classic contemporary furniture and the work of contemporary furniture designers will be discussed with emphasis on the Scandinavian design. Lecture one hour, laboratory five hours.
456. COMMUNICATIONS (3). SS.
Elements of television, radio, telemetry, and associated communications phenomena. Lecture one hour, laboratory five hours.
460. INDUSTRIAL DESIGN (3). S.
Design as applied to the industrial product. Lecture one hour, laboratory five hours.
461. INDUSTRIAL ILLUSTRATION (3). On demand.
An intensive study of the field of industrial illustration including pictorials, exploded views, and isometrics. Work will be done on plastic and the student will be familiarized with the preparation of technical manuals, engineering brochures and similar industrial publications. Lecture one hour, laboratory five hours.
462. MATERIALS (3). On demand.
The structure and characteristics of common industrial materials; laboratory work will be in the same area of stress-strain hardness testing and the heat treatment of metals.
464. PROBLEMS IN LEATHER TECHNIQUES (3). F;W.
An analysis of functional design and production methods of leatherwork. Individual projects designed to employ various technical and commercial methods of production. Lecture one hour, laboratory five hours.
465. PROBLEMS IN CERAMICS TECHNIQUES (3). F;S.
An analysis of functional design and production methods of ceramics. Individual projects designed to employ various technical and commercial methods of production. Lecture one hour, laboratory five hours.
466. PROBLEMS IN ART METAL TECHNIQUES (3). W.
An analysis of functional design and production methods of metal techniques. Individual projects designed to employ various technical and commercial methods of production. Lecture one hour, laboratory five hours.

467. PROBLEMS IN JEWELRY TECHNIQUES (3). F.
An analysis of functional design and production methods of jewelry. Individual projects designed to employ various technical and commercial methods of production. Lecture one hour, laboratory five hours.
475. PROBLEMS AND PROCESSES OF INDUSTRIAL ARTS (1-3). F;W;S.
Individual research on problems determined by the student's needs.

Graduate Courses

A graduate major in Industrial Arts includes 512, 513, 514, 517, 520, and electives in Industrial Arts to total 36 quarter hours.

504. MACHINE DESIGN AND CONSTRUCTION (3). On demand.
The elements of machine design including the construction of a powered machine. Lecture one hour, laboratory five hours.
506. ELECTRONICS COMPONENTS AND SYSTEMS (3). On demand.
A laboratory course largely devoted to the construction of electronic gear. Lecture one hour, laboratory five hours.
510. INDUSTRIAL ARTS FOR ELEMENTARY SCHOOL TEACHERS (3). SS.
Development of basic skills through elementary work in wood, metals, and other materials easy to get. Adaptation of work to classroom situations. Planning for creative work with limited equipment. Not open to majors in Industrial Arts. Lecture one hour, laboratory five hours.
512. PHILOSOPHY OF INDUSTRIAL ARTS EDUCATION (3). SS.
The philosophy of industrial education from its beginning in manual training through contemporary programs of Industrial Arts and Vocational Education.
513. INDUSTRIAL ARTS CURRICULUM DEVELOPMENT (3). SS.
Planning and development of course content for the major areas of industrial arts, incorporating the prevailing philosophy and objectives of school systems.
514. DESIGN AND EQUIPPING OF INDUSTRIAL ARTS FACILITIES (3). SS.
Factors of school shop planning, equipment selection, lay out and arrangement and architectural considerations.
517. INSTRUCTIONAL METHODS AND TECHNIQUES FOR INDUSTRIAL ARTS LABORATORIES (3). SS.
The role of the project as a vehicle for learning. Preparation of instructional materials, record keeping, budget construction, and requisitioning of supplies.
520. SKILL DEVELOPMENT IN MAJOR AREAS (3). On demand.
Individual or group work in area competence. Techniques and processes in the craftsmanship of the transformation of materials.
530. SPECIAL PROBLEMS IN INDUSTRIAL EDUCATION (1-3). F;W;S.
Individual research. Areas to be determined by need, background, and interest.

LIBRARY SCIENCE

ILA TAYLOR JUSTICE, *Chairman*, B. CAMPBELL, E. QUERY.

A major in Library Science consists of a minimum of 45 quarter hours, including Library Science 301, 302, 303, 305, 306, 307, 401, 402, 403, 404, 450, 451, 452, 453, 454, and English 302, 303, 304, 307. A student must show proficiency in typing.

A student may qualify for a Library Science Certificate in North Carolina by electing twenty-seven quarter hours in Library Science in addition to certification in a subject field. This is recommended for those preparing for library work in the elementary school or for a teacher-librarian position in the high school.

The primary purpose of the department of library science is the preparation of librarians for the schools of North Carolina. For students who are interested in college and public library work, special work slanted toward this area is provided.

301. FUNCTIONS AND USE OF THE LIBRARY (3). F.

Objectives and functions of the library in relation to the total school program.

302-303. REFERENCE (3,3). W;S.

Evaluation and use of general reference books. Techniques and procedures in reference work. Reference materials in specific subject fields.

304. CHILDREN'S LITERATURE (3). F;W;S.

Developing a background in the history of children's literature, evaluating modern writers and illustrators of children's books, and studying the various phases of literature which should be presented to elementary children.

305. BASES FOR SELECTION OF SCHOOL LIBRARY MATERIALS (3). F;W;S.

Basic factors and problems in the selection of books and materials.

306. BOOKS AND MATERIALS FOR HIGH SCHOOL LIBRARIES (3). S.

Books and materials in relation to adolescent needs and interests and the high school curriculum.

307. BOOKS AND MATERIALS FOR ELEMENTARY SCHOOL LIBRARIES (3). W.

Books and materials in relation to children's needs and interests and the elementary curriculum.

401, 402. ORGANIZATION AND ADMINISTRATION OF THE SCHOOL LIBRARY (3,3). F,W.

Acquisition, processing, circulation of materials; student assistants; records and reports; attendance and scheduling; library quarters and equipment; professional relationships; evaluation of library services.

403, 404. CATALOGING AND CLASSIFICATION (3,3). F,W.

Study of the principles of cataloging and classification of books and non-book materials. Preparation of a practice file and manual.

Senior-Graduate Courses

450. ORGANIZATION AND ADMINISTRATION OF NON-BOOK LIBRARY

MATERIALS

(3). W.

Acquisition, preparation, housing, and circulation of non-book library materials.

451. ADVANCED BOOK SELECTION

(3). F.

Books for adults in areas of fiction, drama, poetry, essays, literary classics, and literary criticism.

452. ADVANCED BOOK SELECTION (3). W.
Reading and evaluation of books for adults in the area of biography, travel, history, the social sciences, science, religion, philosophy, and the fine arts.
453. LITERATURE FOR CHILDREN (3). F.
Background in literature for children; development and current trends; illustrators; enlargement on study of literature of various types.
454. LITERATURE FOR YOUNG PEOPLE (3). W.
455. DEVICES FOR INTERPRETING BOOKS FOR READERS (3). S.
Story-telling, annotations, book reviewing, the book talk, radio, story recordings.
457. SCHOOL LIBRARY WORKSHOP (3). SS.
- 467 [Ed. 467]. CORRELATING TEACHING WITH THE LIBRARY (3). F;S;SS.
Planned to help the classroom teacher understand better the function and use of the school library as a means of vitalizing teaching. Not open to Library Science students.
476. CHILDREN'S LITERATURE WORKSHOP (3). SS.

Graduate Courses

A minimum of twenty-seven undergraduate hours in Library Science is prerequisite to graduate courses.

A graduate major should include at least thirty-six hours in Library Science and related areas and at least twelve hours in Education and Psychology. Required courses are Library Science 451, 452, 453, 454, 500, 501, and 503; Education 475, 478, 500, and 506. Courses in Reading and Audio-Visual Education and supervision courses for those interested in the supervisory field are recommended.

500. USE OF MATERIALS WITH STUDENTS AND TEACHERS (3). SS.
Materials and methods for more effective use of library resources in various curriculum areas in the school. Open only to Library Science majors.
501. LIBRARY PROBLEMS (3). SS.
Study of problems in the organization and administration of library service in elementary and secondary schools; also, of the small college and public libraries.
502. ADMINISTRATION AND SUPERVISION OF SCHOOL LIBRARY SYSTEMS (3). SS.
Designed for the experienced school librarian in preparation for supervisory positions in larger units of school library service. Involves a critical study and analysis of problems in organization and administration of city, county, and state school library systems.
503. READING INTERESTS AND GUIDANCE (3). SS.
Implications of research in reading interests of children and young people. Methods and materials for guidance in their use. Open to non-majors.
504. ADVANCED REFERENCE (3). SS.
Special reference problems, methods and materials for the large school library, the junior college, and the small public library.

505. PROBLEMS IN CATALOGING AND CLASSIFICATION (3) . SS.
Special problems and methods in cataloging and classification, including problems involved in central cataloging units and handling collections of audio-visual materials. Offered on sufficient demand.
506. READING FOR ADULTS (3) . SS.
Characteristics and patterns of adult reading according to interests, needs, and abilities of various groups.
507. HISTORY OF BOOKS AND LIBRARIES (3) . SS.
Survey of the development of libraries and bookmaking from earliest times to the present.
508. THE LIBRARY AND THE COMMUNITY (3) . SS.
The place of the library, both school and public, in the community and its relation to the agencies and resources of the community.
509. TEACHING THE USE OF BOOKS AND LIBRARIES (3) . SS.
A study of the problems to be considered in the instruction of students in the use of books and library tools and an examination of the content of various units for use at certain school levels. Practice will be given in preparation and presentation of lessons planned to integrate with possible class activities.
550. MASTER OF ARTS THESIS (6) . SS.

MATHEMATICS

PAUL SANDERS, *Chairman*, G. T. BUCKLAND, FRANCES FULMER, W. A. HAWKINSON, J. R. JOHNSON, ARNOLD MCENTIRE, P. B. PATTERSON, STARR STACY, F. L. TARLETON, S. B. TRAVIS.

A major in mathematics consists of a minimum of 51 quarter hours in mathematics above the 100 level. This must include Mathematics 211-212-213, 321-322-323, 382, 393, 483, 491, two courses from 311-312, 461-462, 464-465, or 468-469, and electives to total at least 51 quarter hours. In addition, a student majoring in mathematics must take Physics 201-202-203, or 204-205-206. It is strongly recommended that he take two years of French or German.

A student majoring in mathematics is required to take the Option Examination of the National Teacher Examination.

The aim of the department of mathematics is to provide the student with the language for expression of quantitative concepts and their relations, the means of investigating these relations, and the methods of obtaining such numerical results as are essential.

101. INTRODUCTION TO MATHEMATICS (3) . F;W.
A study of sets, relations, operations, functions, the real number system, and the deductive method. In this course an attempt is made to show the student something of the logical structure of mathematics. This course or its equivalent is required of all students.
- 102 [104]. ALGEBRA (3) . F;W;S.
A study of operations on polynomials, special products and factoring, operations on fractions, roots, radicals, complex numbers, equations and inequalities in one variable, systems of linear equations, matrices, finite induction, and the binomial theorem. This course or its equivalent is required of all students. If a student plans to continue in mathematics beyond the freshman level and is deficient in algebraic skills, he will be required to participate in a mathematics laboratory. Prerequisite: 101.

103. INTRODUCTORY PROBABILITY (3) . F;W;S.
A study of the basic notions of probability and the interpretation of common statistical measures. For students who do not plan to continue mathematics beyond the freshman level. Prerequisite: 102 or equivalent.
107. COLLEGE ALGEBRA (5) . F.
This course covers the material outlined in 101 and 102 and is intended for students planning to continue in mathematics beyond the freshman level.
108. TRIGONOMETRY (5) . W;S.
A development of the properties of the trigonometric functions based on coordinates, vectors, and complex numbers. For students planning to continue in mathematics beyond the freshman level. Prerequisite: 102 or 107.
- 211-212-213 [109-202-203, 301-302-303]. ANALYTIC GEOMETRY AND CALCULUS (5-5-5) . F-W-S.
A study of coordinate systems, loci, limits, differentiation, integration, applications, series, partial differentiation, and multiple integration. Prerequisite: 108.
- 311-312 [452]. DIFFERENTIAL EQUATIONS (3-3) . F-W.
A study of methods of solution of ordinary differential equations. Prerequisite: 212.
- 321-322-323 [500-501]. MODERN ALGEBRA (3-3-3) . F-W-S.
A study of fundamental set theory, relations, mappings, groups, number systems, integral domains, divisibility, congruences, modular arithmetics, fields, polynomials over integral domains and over fields, linear algebra, vectors and vector spaces, Galois fields, matrix theory, linear transformations, systems of linear equations, quadratic forms, and group representation. Prerequisite: 213 or permission of instructor.
- 341 [453]. HISTORY OF MATHEMATICS (3) . F.
A study of the development of mathematical thought.
- 343 [454]. MATHEMATICS OF FINANCE (3) . S.
A study of simple and compound interest, annuities, amortization, sinking funds, depreciation, bonds, stocks, and life insurance. Prerequisite: 108.
- 382 [451]. COLLEGE GEOMETRY (3) . W.
This course considers geometric constructions, loci, similar and homothetic figures, medians, altitudes, bisectors, nine-point circle, and other topics. Prerequisite: 213 or permission of instructor.
393. PROBABILITY (3) . S.
A study of probability based on discrete sample spaces. Prerequisite: 102 or 107.
440. UNDERGRADUATE SEMINAR (Variable credit) . F;W;S.

Senior-Graduate Courses

453. MATHEMATICAL LOGIC (3) . S.
A study of the sentential calculus, the calculus of classes, the restricted predicate calculus, and the extended predicate calculus.
456. GEOMETRY FOR ELEMENTARY SCHOOL TEACHERS (3) . S;SS.
An informal treatment of aspects of geometry which are relevant to the elementary school curriculum. The topics considered include congruence, measure of segments and angles, constructions, parallels and parallelograms, similarity, space geometry, areas and volumes, and measurements related to circles. This course is not open to mathematics majors.
457. MATHEMATICS IN THE ELEMENTARY SCHOOL (3) . SS; Ex.
A course designed especially for the in-service elementary teacher. Same as Education 457. Available as a Workshop.
458. MATHEMATICS IN THE SECONDARY SCHOOL (3) . F;SS;Ex.
A course designed especially for the in-service secondary school teacher. Same as Education 458. Available as a Workshop.
- 459 [460]. FOUNDATIONS OF ARITHMETIC (3) . SS;Ex.
A study of the laws of arithmetic, concept of number, postulational treatment of number systems, logical reasoning.
- 461-462 [503-504]. ADVANCED CALCULUS (5-5) . F-W.
A rigorous treatment of the ideas of limit, continuity, differentiation, and integration. Prerequisite: 213.
- 464-465. NUMERICAL ANALYSIS (3-3) . F-W.
This course considers difference equations, solution of polynomial and transcendental equations, the interpolating polynomial and its representations, numerical integration and differentiation, solution of ordinary differential equations, direct and iterative methods for solving systems of linear equations, methods for finding eigenvalues and eigenvectors, and solution of partial differential equations. Prerequisite: 312.
- 468-469. OPERATIONS ANALYSIS (3-3) . W-S.
A study of linear programming, game theory, queueing theory, dynamic programming. Prerequisite: 393.
- 483 [462]. FOUNDATIONS OF GEOMETRY (3) . S;SS.
A study of axioms and postulates of geometries, quadrangular sets, nets, special theorems, groups, and affine geometry. Prerequisite: 213.
- 487-488 [500-501]. MODERN ALGEBRA FOR IN-SERVICE TEACHERS (3-3) . SS;Ex.
This course considers sets, mappings, operations, relations, the real number system, integral domains and fields, polynomial domains, groups, vector spaces, linear transformations, matrices, solutions of systems of equation, linear algebras, rings, and Boolean algebras. Not open to students who have credit in 321-322-323. Prerequisite: 213 or permission of instructor.
- 491 [455]. MATHEMATICAL STATISTICS (3) . F.
A study of probability and statistics based on continuous sample spaces. Prerequisite: 213 and 393.

Graduate Courses

A student beginning a program of study toward the Master's degree in mathematics should have completed as an undergraduate the equivalent of Mathematics 311-312, 321-322-323, 382, and 461-462. A graduate major in mathematics consists of a minimum of 36 quarter hours in mathematics. This must include two courses in algebra, two courses in geometry, and two courses in analysis from courses numbered above 500. Students preparing to teach in junior college will be required to take Mathematics 548 or Mathematics 550.

511-512-513. THEORY OF FUNCTIONS (3-3-3) . F-W-S.

A study of properties of complex numbers, transformations, analytic functions, power series, complex integration, and the calculus of residues.

516 [505]. ADVANCED DIFFERENTIAL EQUATIONS (3) . S.

A study of the conditions under which the solutions of ordinary differential equations exist. Prerequisite: 312.

517-518. APPLIED MATHEMATICS (3-3) . F-W.

A study of Fourier series, series solutions of ordinary differential equations, Laplace and Fourier transforms, solutions of partial differential equations by separation of variables, boundary value problems, vector analysis, coordinate systems, Gamma functions, Bessel functions, and orthogonal systems of polynomials.

519. FUNCTIONAL ANALYSIS (3) . S.

This course considers an introduction to normed linear spaces, the theorem of Weierstrass, approximation in the senses of least squares and least deviation, the construction of polynomials of best approximation, continued fractions, and approximation by rational functions and other function families.

521-522. ABSTRACT ALGEBRA (3-3) . F-W.

A study of certain concepts from set theory, semi-groups and groups, rings, integral domains, fields, elementary factorization theory, groups with operators, modules and ideals, and lattices. Prerequisite: 323.

525-526 [507]. THEORY OF NUMBERS (3-3) . W-S.

A study of the properties of integers, Euclid's algorithm, Diophantine equations, prime numbers, congruences, residues of powers, quadratic residues, and quadratic forms.

528-529. LINEAR ALGEBRA AND GROUP THEORY (3-3) . W-S.

Determinants and their properties, solution of linear equations, linear transformations, quadratic forms, infinite-dimensional spaces, reduction of matrices to canonical form, elements of the general theory of groups, representations of groups, and continuous groups.

531-532 [510]. TOPOLOGY (3-3) . F-W.

This course considers open and closed sets, connected sets, elementary topology of the straight line, an introduction to metric spaces and to the Euclidean plane, and the characterization of arcs and simple closed curves.

540 [508]. GRADUATE SEMINAR (Variable credit) . F;W;S.

548 [509]. INDEPENDENT STUDY IN MATHEMATICS (Variable credit) . F;W;S.

Independent reading and research done under the supervision of a designated member of the staff. Prerequisite: 18 hours of graduate mathematics.

550. MASTER OF ARTS THESIS (6) . F;W;S.

MUSIC

W. G. SPENCER, *Chairman*, D. ATWELL, H. S. BEKEMEYER, W. S. COLE, N. ERNESTON, E. FOX, C. F. HAENSELMAN, E. P. HOTARD, C. L. ISLEY, JR., V. LINNEY, W. H. SAFRIT.

The department of Music is a member of the National Association of Schools of Music. The requirements set forth in this catalogue are in accordance with the published regulations of the National Association of Schools of Music.

The objectives of the department of music are to provide the best possible preparation of teachers of music for the public schools and institutions of higher learning; to provide training for the classroom teacher in the organization and conducting of a well balanced music program; to provide music experiences and activities in which the music major as well as the general college student can increase his skills, knowledge, and appreciation of music; to contribute to the cultural tone of the college and community through the presentation of a variety of public programs and concerts.

ENTRANCE REQUIREMENTS

The entrance requirements in the major performance medium are as follows:

Voice: An acceptable voice and the ability to sing with accurate pitch and rhythm.

Piano: The ability to perform: Major and minor scales and arpeggios; compositions of the difficulty of Bach, *Two-Part Inventions*; Beethoven, *Sonata, Op. 49*; Chopin, *Mazurka, Op. 33, No. 3*.

Instruments: A fundamental knowledge of the instruments including an acceptable method of producing tone; awareness of intonation problems; accurate rhythmic feeling; some contact with solo literature available for the instrument; the ability to play major, minor, and chromatic scales with the proper fingering.

MAJOR REQUIREMENTS

A major in Music: General consists of a minimum of 71 quarter hours above General Education requirements (116-117-118, 304-305-306). These include an applied major in piano or voice 22 hours, applied minor 9 hours; 101-102-103, 121-122-123, 125, 131, 132, 201-202-203, 316, 317, 402, 404, 405, 416. Professional Education courses in music methods include 307, 308, 420. Music majors are required to participate in ensembles for 11 quarters (11 elective hours).

A major in Music: Instrumental consists of a minimum of 72 quarter hours above General Education requirements (116-117-118, 304-305-306). These include an applied major instrument 22 hours, applied piano 6 hours, 101-102-103, 121-122-123, 125-126-127, 128, 131-132-133, 201-202-203, 316, 317, 402, 404, 405. Professional Education courses in music methods include 307, 308, 419. Music majors are required to participate in ensembles for 11 quarters (11 elective hours).

During the senior year a music major will demonstrate satisfactory proficiency in his major performing medium: piano, voice, violin, clarinet, or other band or orchestral instruments. This may be done in one of three ways: 1. An individual recital; 2. A group recital with no more than three participants; 3. A comprehensive examination which includes the major instrument, theory, and other class work in music which the student has covered during the four years.

A music major will appear in at least two recitals each year. Appearance as a soloist in church, before the Music Education Club, in a studio recital, or a public performance, will satisfy this requirement.

A major in Piano Pedagogy consists of 85 quarter hours above General Education requirements (116-117-118, 304-305-306). These include piano 36 hours, applied minor 6 hours, piano ensemble 8 hours, senior recital. These include 101-102-103, 201-202-203, 316, 402, 403, 405, 452. Professional Education courses in music methods include Education 309. Music majors are required to participate in ensembles for 11 quarters (11 elective hours).

PLACEMENT EXAMINATIONS

Freshmen and transfers who plan to major in music must take a placement examination in their major performing medium to establish class standing and a special test to determine their general music knowledge. Those who do not meet freshman standing must enroll in 010-011-012 or 013-014-015 until entrance requirements can be met.

PIANO PROFICIENCY FOR ALL MAJORS

By examination a music major shall demonstrate satisfactory proficiency in piano at the end of the second year. Failure to acquire this proficiency will necessitate repeating the examination until proficiency is demonstrated.

The student must demonstrate ability to play the most widely used songs in community song books, to play pieces and accompaniments from the teachers manual of the graded series for the elementary school, to improvise chordal accompaniments, to read at least 3 or 4 line scores of instrumental or vocal parts simultaneously at the keyboard.

RECITALS AND CONCERTS

Student recitals are held each quarter to provide students with experience and poise in public performance. Seniors and other advanced students present individual or joint recitals as partial requirements for graduation. Frequent concerts are given by faculty members, various musical organizations, and visiting artists.

Music majors are required to attend all concerts and recitals sponsored by the Music department.

APPLIED MUSIC

Individual music instruction is offered in piano, organ, voice, and all orchestral and band instruments. Courses in applied music are required of all music majors and may be elected for general college credit by students not majoring in music.

Piano. The piano major should develop the ability to sight read, play accompaniments in a musicianly manner, perform representative works from all periods of music, from the pre-Bach to the present day.

Voice. The voice major should be able to sing on pitch and show musical aptitude. Study will include good posture, relaxation, diaphragmatic breathing, good diction and vocal exercises, appropriate songs adapted to the student's need and progress.

Organ. Piano facility satisfactory to the instructor is prerequisite for study in organ. The study includes pedal scales, hymn playing, appropriate selections from the works of Bach, Mendelssohn, Franck, and Widor, as well as contemporary European and American compositions.

Brass Instruments. This study emphasizes proper breath control, embouchure and position as well as good tone production and intonation for each instrument. Exercises and pieces suitable to the student's ability and progress are used.

Woodwind Instruments. This study emphasizes proper breath control, good intonation based on an understanding of pitch and pitch modification as well as technical facility with the instrument selected for study. Materials will be chosen on the basis of student's ability and progress.

String Instruments. The purpose of string instruction is to promote in the student the basic techniques of good intonation, clarity, refinement of fingering and bowing styles, and the development of tonal beauty. Emphasis is placed upon the importance of phrasing and interpretation.

Percussion Instruments. The student expecting to major in this course should have a background of the basic rudiments in snare drum and sufficient experience and preparation of the other percussion instruments to play a standard band number. The first year of study will emphasize the snare drum and the twenty-six rudiments along with suitable solo literature. The remainder of the four years will be devoted to the tympani and other traps and equipment with the main emphasis placed on the marimba.

010-011-012. APPLIED MUSIC (1-1-1) . F-W-S.

This course of one 30 minute individual lesson and six practice hours a week is designed for students below the freshman level in accomplishment and carries general college credit but no credit on a music major.

013-014-015. APPLIED MUSIC (2-2-2) . F-W-S.

This course of two 30 minute individual lessons and twelve practice hours a week is designed for a student below the freshman level in accomplishment and carries general college credit but no credit on a music major.

101-102-103. BASIC THEORY (3-3-3) . F-W-S.

A course in the fundamentals of music, triads, seventh chords, and non-harmonic tones approached through the integrated avenues of analyzing, creating, reading, listening, writing, and performing. The more abstract relationships of melody, rhythm, and form in several textures are included. Lecture and demonstration five hours.

110-111-112. APPLIED MUSIC (1-1-1) . F-W-S.

One 30 minute individual lesson and six practice hours a week.

113-114-115. APPLIED MUSIC (2-2-2) . F-W-S.

Two 30 minute individual lessons and twelve practice hours a week.

116-117-118. MUSIC LITERATURE (1-1-1) . F-W-S.

A survey of representative piano, vocal and instrumental literature of the classical, romantic, impressionistic and modern periods. For music majors only.

121-122-123. STRING CLASS (1-1-1) . F-W-S.

A presentation of the fundamental principles involved in playing and teaching stringed orchestral instruments. Lecture and demonstration two hours.

125. WOODWIND CLASS I (1) . F.

Group instruction in the fundamental principles of woodwind technique. Laboratory two hours.

126-127. WOODWIND CLASS II (1-1) . W-S.

A presentation of the fundamental principles involved in playing and teaching each woodwind instrument. Prerequisite: Music 125 or equivalent. Lecture and demonstration two hours.

- 128-129-130. VOICE CLASS (1-1-1) . F-W-S.
A presentation of the fundamentals of singing for teaching and performance. Lecture and demonstration two hours.
131. BRASS CLASS (1) . F;W.
Group instruction in the fundamental principles of brass technique. Laboratory two hours.
132. PERCUSSION CLASS (1) . S.
Group instruction in the fundamental principles of snare drum, bass drum, and cymbal technique. Laboratory two hours.
133. BRASS AND PERCUSSION (1) . F;S.
A presentation of the fundamental principles involved in playing and teaching each brass and percussion instrument. Prerequisite: Music 131 and 132 or equivalent. Lecture and demonstration two hours.
- 134-135-136. PIANO CLASS (1-1-1) . F-W-S.
Group instruction in the fundamental principles of piano technique.
- 201-202-203. INTERMEDIATE THEORY (4-4-4) . F-W-S.
A continuation of basic theory utilizing the same six integrated avenues of approach; a study of modulation and altered chords; survey of the homophonic style from 1700 through 1900; the study of these elements of music in relation to actual vocal, piano, and ensemble texture. Lecture and demonstration six hours.
- 210-211-212. APPLIED MUSIC (1-1-1) . F-W-S.
One 30 minute individual lesson and six practice hours a week.
- 213-214-215. APPLIED MUSIC (2-2-2) . F-W-S.
Two 30 minute individual lessons and twelve practice hours a week. Additional credit with the approval of the chairman of the department.
217. MUSIC APPRECIATION (3) . F;W;S;SS.
A non-technical course designed for students with little or no musical background. Emphasis is placed upon listening to music and finding pleasure in it. Materials satisfactory for use in the public school and presentation techniques are demonstrated.
- 301-302-303. MUSIC FOR CLASSROOM TEACHERS (2-2-2) . F-W-S;SS.
The courses are designed to increase the musicianship of the prospective elementary teacher and to develop an adequacy in music teaching methods. Performance examinations will be given on the phases of work where required. Lecture and demonstration three hours.
- 304-305-306. MUSIC HISTORY (3-3-3) . F-W-S.
A comprehensive study tracing the evolution of music as an art. Emphasis is placed upon the parallel development of the various arts in their relation to music against the cultural background of history, with suggestions for social and political understandings.
307. MUSIC IN THE ELEMENTARY SCHOOL (3) . W.
Materials and methods in the field of music teaching in the elementary school. Music in the integrated program; emphasis on the creative phases and the development of musicianship; observation of teaching procedures with children. Designated for music majors. Same as Education 307.

308. MUSIC IN THE HIGH SCHOOL (3) . S.
A study of the organization and direction of the music program in the secondary school. Materials for the adolescent voice, elementary theory, music appreciation, operettas, and program building are surveyed. Designated for music majors. Same as Education 308.
309. PIANO PEDAGOGY (3) . W.
The teaching of piano with a study of various approaches in private and class methods; problems of setting up and operating a studio. Same as Education 309.
- 310-311-312. APPLIED MUSIC (1-1-1) . F-W-S.
One 30 minute individual lesson and six practice hours a week.
- 313-314-315. APPLIED MUSIC (2-2-2) . F-W-S.
Two 30 minute individual lessons and twelve practice hours a week. Additional credit with the approval of the chairman of the department.
316. CHORAL CONDUCTING (2) . F.
A laboratory course in problems of choral conducting. Supervised conducting experience is provided. Lecture and demonstration three hours.
317. INSTRUMENTAL CONDUCTING (2) . S.
A laboratory course in problems of instrumental conducting; supervised conducting experience provided. Lecture and demonstration three hours.
402. FORM AND ANALYSIS (3) . S.
A study of various forms of composition including song forms, dance forms, rondo, canon and fugue, and sonata form, with critical analysis of composition for voice, chorus, piano, solo instruments, and small ensembles. Lecture and demonstration four hours.
403. CHORAL ARRANGING (2) . W.
The technique of arranging for school choral groups including the problems of voice range, quality, flexibility, stamina, and testitura. Lecture and laboratory three hours.
404. INSTRUMENTAL ARRANGING (2) . S.
A study of the instruments of the band and orchestra in regard to range, tone quality, and appropriate use in instrumental ensembles, including practice in arranging. Lecture and laboratory three hours.
405. ADVANCED THEORY: COUNTERPOINT (3) . W.
A survey of the basic stylistic traits of the 13th, 16th, 18th, and 20th century styles of contrapuntal music with a detailed study of the more commonly heard 16th and 18th century styles. The work involves written exercises and compositions in two through four parts, various canons and other contrapuntal forms, analysis, dictation, and sightsinging in two and three parts. Lecture and demonstration four hours.
- 410-411-412. APPLIED MUSIC (1-1-1) . F-W-S.
One 30 minute individual lesson and six practice hours a week.
- 413-414-415. APPLIED MUSIC (2-2-2) . F-W-S.
Two 30 minute individual lessons and twelve practice hours a week. Additional credit with the approval of the chairman of the department.

416. SENIOR RECITAL (1) . F;W;S.
419. INSTRUMENTAL METHODS AND MATERIALS (2) . W.
A comprehensive survey of the materials and methods employed in instrumental class teaching. Lecture and demonstration three hours. Prerequisites: Education 301, 302, and Psychology 301, 302, 303. Same as Education 419.
420. CHORAL METHODS AND MATERIALS (2) . S.
A comprehensive survey of the materials and methods employed in choral teaching. Prerequisites: Education 301, 302, and Psychology 301, 302, and 303. Same as Education 420.
430. INDEPENDENT WORK IN MUSIC (3) . F;W;S.
Research in some phase of music to meet the needs and professional interests of the individual.

Senior-Graduate Courses

451. CHORAL MATERIALS AND LITERATURE (3) . W;SS.
A study of choral literature for mixed chorus, girls' glee club, boys' glee club, small ensembles, and church choirs.
452. PIANO LITERATURE (3) . W or S;SS.
The study of the literature for piano from the pre-Bach to the present day through performance, analysis, and recordings. Offered 1963 SS.
453. INSTRUMENTAL MATERIALS AND LITERATURE (3) . W;SS.
An advanced instrumental methods course offering a comprehensive survey of the available instrumental literature, methods, and materials. Offered 1965 SS.
454. PROBLEMS IN ELEMENTARY SCHOOL MUSIC (3) . S;SS.
Music teaching in the primary and grammar grades; research and demonstrations of methods of teaching elementary school children. Offered 1964 SS.
455. INSTRUMENT REPAIR AND ADJUSTMENT (3) . S;SS.
The repair and care of stringed, wind, and percussion instruments. Offered 1963 SS.
457. STRINGS (3) . SS.
Fundamental principles involved in playing and teaching orchestral stringed instruments. Designed for the graduate student who has had little or no training in strings but who wishes to prepare himself for beginning string work. Offered 1964 SS.
458. WOODWINDS (3) . SS.
Fundamental principles involved in playing and teaching the woodwind instruments. Offered 1965 SS.
460. BAND PAGEANTRY (3) . F;SS.
A study of the fundamentals of marching, precision drilling, formations, and maneuvering; the planning of football shows and parades. Offered 1964 SS.
461. PIANO WORKSHOP (3) . SS.
462. INSTRUMENTAL WORKSHOP (3) . SS.
469. MUSIC EDUCATION WORKSHOP (3) . SS.
Same as Education 469.

Graduate Courses

A graduate major in music consists of 36 hours, including 500, 501, 502, 503, and Education 500.

500. MUSIC OF BAROQUE AND CLASSICAL PERIODS (3) . F;SS.
A comprehensive study of music in western civilization during the Baroque and Classical periods.
501. MUSIC OF THE ROMANTIC PERIOD (3) . W;SS.
A comprehensive study of music in western civilization during the Romantic period.
502. MUSIC OF THE TWENTIETH CENTURY (3) . S;SS.
A comprehensive study of music in western civilization during the present century. Offered 1964 SS.
503. ADVANCED CONDUCTING (3) . W;SS.
Emphasis upon the critical examination of both choral and instrumental scores, with the development of conducting skills necessary in securing the desired effects.
504. ADVANCED INSTRUMENTATION AND BAND ARRANGING (3) . On demand;SS.
Arranging music for the school band and orchestra; projects growing out of actual problems involving substitutions of instruments and arrangements of scores. Offered 1963 SS.
507. MUSIC IN THE CURRICULUM (3) . S;SS.
Music and its place in the elementary school curriculum. For classroom teachers and music specialists.
508. INSTRUMENTAL ORGANIZATION AND ADMINISTRATION (3) . On demand;SS.
Problems of scheduling, housing, purchasing equipment, and financing the school instrumental program. Offered 1965 SS.
509. MUSIC IN JUNIOR HIGH SCHOOL (3) . SS.
Current practices and trends in curriculum and instructional materials in junior high school, including choral and instrumental methods. Offered 1964 SS.
- 510-511-512. APPLIED MUSIC (1-1-1) . F,W,S,SS.
One 30 minute individual lesson and six practice hours a week. Before being admitted to graduate standing in applied music, the student must demonstrate a graduate level of performance before a music faculty committee.
- 513-514-515. APPLIED MUSIC (2-2-2) . F,W,S,SS.
Two 30 minute individual lessons and twelve practice hours a week. Before being admitted to graduate standing in applied music, the student must demonstrate a graduate level of performance before a music faculty committee.
516. MUSIC ACTIVITIES IN THE ELEMENTARY SCHOOL (3) . F;SS.
Designed for the classroom teacher and covering a five-point program for children; singing, playing, creating, listening, and rhythmic activities.
517. MUSIC IN SENIOR HIGH SCHOOL (3) . SS.
Study of the broad implications of the function and role of music in the modern high school, including study of music curriculum problems, instructional materials, and methods. Offered 1963 SS.

529. ORGANIZATION AND SUPERVISION OF SCHOOL MUSIC (3) . W;SS.
The responsibilities of the music supervisor in relation to the classroom teacher, music teacher, and school administration. Same as Education 529.
531. SEMINAR IN MUSIC EDUCATION (3) . F;SS.
A review of the philosophy and practice in music education; reading of current studies, articles, books. Same as Education 531.
548. INDEPENDENT STUDY (3) . F;W;S;SS.
550. MASTER OF ARTS THESIS (6) . F;W;S.

MUSIC PERFORMING GROUPS

A major in music must participate in instrumental and/or choral organizations for a minimum of eleven quarters. He may participate in more than one ensemble each quarter but he may not receive more than 11 elective quarter hours for participating in ensembles.

170. MARCHING BAND (1) . F.
The Marching Band functions in close co-operation with the athletics association during the football season. Its appearances include pep rallies, half-time shows, parades and several out-of-town performances. Membership is open to all college students who play band instruments. The band has a collection of instruments which are available for use by its members. Rehearsals five hours.
171. CONCERT BAND (1,1) . W,S.
The Concert Band forms an integral part of college life and is an all-college organization. Membership is open to all students who play band instruments. The band is a valuable laboratory for instruction in wind instruments. Concerts are given during the year both on the campus and in nearby communities. Rehearsals four hours.
172. COLLEGE CHOIR (1,1,1) . F,W,S.
The Choir is open to all students who have musical talent and who are interested in singing. Opportunity is given for both accompanied and un-accompanied singing, including the study and performance of many fine choral works and styles. Throughout the year the Choir appears in concerts locally and in various cities in the state and adjoining states. Rehearsals three hours.
173. WOMEN'S GLEE CLUB (1,1,1) . F,W,S.
The Women's Glee Club is open to all women students who desire to sing. The Glee Club repertoire consists of choice arrangements for girls' voices in two, three, and four parts and is designed to do public programs for special occasions. Rehearsals two hours.
174. COLLEGE SYMPHONY ORCHESTRA (1,1,1) . F,W,S.
The Orchestra is open to all students who have ability and experience in playing any orchestral instrument. Emphasis is placed on securing good ensemble as well as the technical, dynamic, and interpretive demands of the compositions performed. The Orchestra appears in concert several times during the year. Rehearsals two hours, with additional sectional rehearsals.

175. APPALACHIAN CHORALE

(1,1,1) . F,W,S.

The Chorale is composed of sixteen selected voices. Individual tryouts are held at the beginning of each school year to fill vacancies. Throughout the year the group appears in concerts for school and civic affairs in North Carolina and neighboring states. Rehearsals two hours.

176. PIANO ENSEMBLE

(1,1,1) . F,W,S.

Supervised study and performance of duo-piano literature. Rehearsals two hours.

SOCIAL SCIENCE

J. C. YODER, *Chairman*, E. G. BOATMON, H. BURCH, R. E. CALVERT, A. M. DENTON, J. M. DIXON, E. S. DOUGHERTY, E. C. DROZDOWSKI, T. E. EPPERSON, R. H. FALLS, E. H. GIBSON, R. HOOVER, J. M. JUSTICE, E. MELTON, C. J. MESSERE, M. O. PARTIN, L. K. PRITCHETT, H. J. RYAN, E. R. STAPLETON, W. F. TROUTMAN, I. VAN NOPPEN, O. K. WEBB.

The offerings of the social science department are designed to develop an understanding and appreciation of our rich and unique heritage. The approach and presentation are such that teachers and other responsible citizens may be able to define pertinent issues, gather essential facts, state problems clearly, distinguish objective data from opinions and emotions, think critically and creatively, generalize, and transfer generalizations to effective ways of acting and living. The social science required in general education strives to provide basic needs in social growth and development for those who go out as college prepared individuals. Additional courses, taken as electives or to fulfill the requirements for social science majors, provide depth and breadth for those who will direct and lead as teachers of social science or as substantial citizens in local, national, and international affairs.

In addition to twenty-one hours in General Education, a major in social science consists of a minimum of sixty quarter hours, including History 203; six consecutive hours from History 301, 302, 303; History 305 (3 hours); History 306; six hours in the 400 course level; Economics 201, 202, 203; Geography 101, 102, and three hours elective; Political Science 201, 203, and three hours elective; Sociology 201 and three hours elective; Anthropology 210, English 301, 302, 303.

A social science major is encouraged to choose his Social Science electives in such a way that he will have two years (18 quarter hours) concentration in at least one area other than history.

A major in social science must take the Social Science Option Examination of the National Teacher Examination.

ECONOMICS

200. GENERAL ECONOMICS

(3) . F;W;S.

A survey course of elementary economics designed for non-business and non-social studies majors who plan to take only one course in the field. A brief treatment of the production and distribution of wealth in society, money and banking, the organization of business, and international trade. Not open to majors in Business Education and Social Studies.

201-202-203. PRINCIPLES OF ECONOMICS

(3-3-3) . F,W,S.

A study of the present day economic system; demand, supply, prices and costs; wages, rent, interest and profit; business cycles, money, banking and the Federal Reserve System; international trade; and a comparison of Capitalism, Socialism, Communism, and Fascism.

302. PUBLIC FINANCE AND TAXATION (3) . F;W.
Government revenues, expenditures, budgets, and financing; taxes; shifting and incidence of taxation, public debts and economic effects of government monetary and fiscal policies.
303. LABOR ECONOMICS (3) . W;S.
Position of the laborer and some of his problems in our industrial society. Prerequisite: Economics 201, 202, 203.
401. PERSONAL FINANCE (3) . W;S.
Management of personal finances; budgeting, savings and checking accounts, insurance, stocks and bonds, and real estate.
402. CURRENT ECONOMICS (3) . F;S.
Discussion of current economic problems of our society; economic effects of proposed legislation; background causes of current problems, and discussion of suggested solutions. Prerequisite: Economics 201, 202, 203.

Senior-Graduate Courses

450. MONEY AND BANKING (3) . W;S.
How our money and credit instruments are issued and secured; structure and effects of commercial banking and the Federal Reserve system; and impact of monetary and fiscal policy. Prerequisite: Economics 201, 202, 203.
451. HISTORY OF ECONOMIC THOUGHT (3) . W;S.
To explain the origin, development, and meaning of current economic conflicts in economic theory. A study of mercantilist, classical, neo-classical, and Keynesian economics. Prerequisite: Economics 201, 202, 203.

GEOGRAPHY

101. PHYSICAL GEOGRAPHY (3) . F;W;S.
The earth's astronomical relations, factors of weather and climate, and physical features.
102. WORLD REGIONS (3) . F;W;S.
Relation of human activities to the larger geographic regions of the world.
103. ECONOMIC AND COMMERCIAL GEOGRAPHY (3) . F;W;S.
Geographic factors involved in production, distribution, consumption, and conservation of the major crops, minerals, and industries of the world.
301. GEOGRAPHY OF EUROPE (3) . F.
Continental and world trade, cultural factors, geographic factors of the regions and countries of Europe.
302. GEOGRAPHY OF SOUTH AMERICA (3) . S.
Geographic regions, political divisions, commerce, industry, and prospects for the future.
303. GEOGRAPHY OF ASIA (3) . W.
Climate, relief, natural resources, social and political problems, and economic activities.

304. GEOGRAPHY OF AFRICA (3) . S.
The peoples, regions, climates, resources, and economic activities of the continent.
305. GEOGRAPHY OF RUSSIA (3) . F.
The location, population, political status, natural environment, economy, problems, and potentialities of the U.S.S.R.
306. GEOGRAPHY OF MIDDLE AMERICA (3) . W.
A study of the climate, peoples, products, trade, and problems of Mexico, the Central American countries, and the major islands of the West Indies.
401. CONSERVATION OF NATURAL RESOURCES (3) . On demand.
Conservation problems and techniques of water, soil, minerals, plants, animals, and human resources.

Senior-Graduate Courses

450. GEOGRAPHICAL INFLUENCES IN AMERICAN HISTORY (3) . W.
Man's reaction to and use of environmental factors as he occupied the territory of the United States.

Graduate Courses

502. URBAN GEOGRAPHY (3) .
An analysis of urban centers from historical development through the contemporary city: Emphasis to be placed on classification, site and situation, distribution, functions and patterns of land use, culminating in urban problems, trends, and city planning.
505. GEOGRAPHY OF ANGLO-AMERICA (3) . F.
The soils, climate, minerals, crops, industries, biotic resources and their world relations as reflected by geographic factors.
- 506 [516]. GEOGRAPHY ASPECTS OF WORLD AFFAIRS (3) . S.
A geographic analysis of major world movements and events associating the physical environment with social, political, and racial factors.

HISTORY

- 101, 102, 103. WORLD CIVILIZATIONS (3,3,3) . F,W,S.
A survey of world civilizations: ancient civilization, medieval and early European civilization; modern world civilization.
- 201, 202, 203. HISTORY OF THE UNITED STATES (3,3,3) . F,W,S.
A survey of the history of the United States, 1492-1837; 1837-1880; 1880-to date.
- 301, 302, 303. HISTORY OF ENGLAND (3,3,3) . F,W,S.
A survey of the history of England to 1485; 1485-1715; 1715-to date.
304. ECONOMIC HISTORY OF THE UNITED STATES (3) . F.
Historical development of American economic society and its institutions.
305. CURRENT HISTORY (1) . F;W;S.
State, national, and international current events.

306. NORTH CAROLINA SOCIAL STUDIES (3). F;W;S.
A study of the geography, history, economic, and social problems of North Carolina.
410. CULTURAL HISTORY OF THE UNITED STATES (3). S.
An examination of religion, social and philosophic thought, science, art and architecture, scholarship and education in the development of American civilization, 1789-1876.

Senior-Graduate Courses

451. RECENT HISTORY OF THE UNITED STATES (3). F;W;S.
A brief survey of the emergence of modern America, 1870-1900, followed by a more intensive study of economic, intellectual, and social trends in the twentieth century.
- 452, 453. NORTH CAROLINA HISTORY (3,3). F,W.
A study of North Carolina history, 1663-1835; 1835-to date.
454. NINETEENTH CENTURY EUROPE (3). F.
The political, social, economic, intellectual, religious, and aesthetic aspects of European culture from 1815 to 1914.
455. RECENT EUROPE (3). W;S.
The political, social, economic, intellectual, religious, and aesthetic aspects of European culture in the twentieth century.
456. COLONIAL AMERICA (3). S.
The social, political, and intellectual development of the thirteen colonies to 1783.
457. HISTORY OF MODERN RUSSIA (3). S.
The Russian revolution and the communist state since 1917.
460. THE MIDDLE AGES (3). F.
European political, social, and religious life from the decline of the Roman Empire to about 1400. Offered 1964-65.
461. RENAISSANCE AND REFORMATION (3). F.
An examination of the meaning of the Renaissance in terms of humanism and the plastic arts; the background and principal developments of the Lutheran and Calvinist movements.
- 462, 463, 464. HISTORY OF LATIN AMERICA (3,3,3). F,W,S.
A survey of the history of Latin America from the conquests to the wars of independence; from the wars of independence to 1900; from 1900 to the present.
465. HISTORY OF THE FAR EAST (3). SS.
The history of China and Japan in the nineteenth and twentieth centuries.
470. HISTORY OF THE ROMANS (3). W.
The history of the Roman Republic from 133 B.C. to 27 B.C.; its political and territorial growth, and the significant political, social, and economic factors culminating in the Roman Revolution and the establishment of the Principate. Cultural factors will be emphasized by the use of ancient source materials in translation. Offered 1964-65.

471. HISTORY OF GREECE (3). W.
A study of the political, artistic, and intellectual achievements of Greek civilization from its origins to the Hellenistic Age.

Graduate Courses

A graduate major in Social Science consists of a minimum of 36 quarter hours including History 500. A program of studies will be determined through counseling to meet the needs and interest of the individual graduate student.

500. BIBLIOGRAPHY AND RESEARCH (3). F;SS.
A study of bibliographical problems, types of research, and organization and reporting of research. Required in the first quarter of all beginning graduate students.
501. DETERMINING INFLUENCES IN THE HISTORY OF THE UNITED STATES (3). SS.
An analysis of the major concepts of events and developments of American democracy.
502. FORMATION OF THE AMERICAN UNION (3). S.
A study of the period 1763-1800 in United States history. Emphasis is on the American Revolution, the Articles of Confederation, the Constitution, and on varying historical interpretations of these.
503. CIVIL WAR AND RECONSTRUCTION (3). S.
An examination of the causes of the Civil War, the war and its impact on the sections, and reconstruction with its effects on the South. Offered 1963-64.
504. JACKSONIAN DEMOCRACY (3). F.
Political, social, and cultural changes in the United States during the second quarter of the nineteenth century and the forces which produced the changes.
- 505 [500]. HERITAGE OF WESTERN CIVILIZATION (3). SS.
An exploration and analysis of selected movements and problems of early and modern European civilization.
507. THE OLD SOUTH (3). W.
The cultural, economic, and social history of the Southern states from early exploration to the Civil War. Offered 1963-64.
508. THE NEW SOUTH (3). W.
The cultural, economic, and social history of the Southern states from the Civil War to the present. Offered 1964-65.
509. THE WESTWARD MOVEMENT (3). S.
The moving frontier of settlement in the United States and theories concerning its importance in shaping American civilization. Offered 1964-65.
510. HISTORY OF AMERICAN FOREIGN POLICY (3). F.
A history of the foreign policy of the United States from 1776 to the present with emphasis on the twentieth century.
- 514, 515. SOCIAL HISTORY OF ENGLAND IN THE NINETEENTH CENTURY (3,3). F,W.
An examination of the seminal ideas of English thinkers from Bentham to the Fabian Socialists, social behavior as expressed in the reform movements, and cultural developments in the arts, religion, and science, 1789-1850 and 1850-1914.

PHILOSOPHY AND RELIGION
PHILOSOPHY

201. ANCIENT PHILOSOPHY (3). F.
An introduction to philosophy through the study of Plato, Aristotle, the Sophists.
202. MEDIEVAL AND RENAISSANCE PHILOSOPHY (3). W.
203. MODERN PHILOSOPHY (3). S.
A study of the views of eminent philosophers of the eighteenth and nineteenth centuries.
204. CONTEMPORARY PHILOSOPHY (3). S.
A study of the views of eminent philosophers of the twentieth century.
301. LOGIC (3). F.
A study of logistic method, cogency and clarity in reasoning, deductive and inductive reasoning. Its purpose is to develop the student's capacity for accurate reasoning and sustained reflection.
302. ETHICS (3). F;W;S.
A study of the nature and evolution of ethical and moral ideas.
303. AESTHETICS (3). W.
A study of aesthetic values in art, literature, music, architecture. Not offered 1962-63.
304. PHILOSOPHY OF RELIGION (3). F.
A study of the concepts of God, problems of good and evil, freedom and determination, revelation, mysticism.
305. PHILOSOPHY IN AMERICA (3). S.
A study of the principal movements in philosophical thought in America, such as puritanism, enlightenment, transcendentalism, pragmatism, naturalism; selected readings from outstanding American philosophers.

RELIGION

201. OLD TESTAMENT HISTORY (3). F;W;S.
A study of the origin and growth of the Israelite people, and the development of their social, ethical, and spiritual ideals.
202. OLD TESTAMENT PROPHETS AND THEIR MESSAGE (3). W.
The background, life, message, and present significance of the Hebrew prophets.
203. THE LIFE AND RELIGION OF CHRIST (3). F; W; S.
A study of the principal facts of the life of Christ with special attention to his teachings and the development of his mission.
301. THE LIFE AND LETTERS OF PAUL (3). F.
A survey of the life and teachings of Paul, giving special consideration to his contribution to the thought and spread of Christianity.
302. RELIGIONS OF THE WORLD (3). W.
A study of primitive religion and the historical developments of the religions of India, China, and Japan.

303. RELIGIONS OF THE WORLD (3) . S.
A study of the historical development of the religions of Zoroastrianism, Judaism, Christianity, and Islam.

304. THE BIBLE AS LITERATURE (3) . F.

POLITICAL SCIENCE

201. AMERICAN NATIONAL GOVERNMENT (3) . F;W;S.
A study of the formation and development of the national government, its organization, functions, and powers.

202. PROBLEMS AND POLICIES OF AMERICAN GOVERNMENT (3) . S.
A study of the policies, functions, and programs of the national government. Specific policies in the areas of labor, agriculture, business, welfare, civil rights, and national security are critically analyzed against a background of history, politics, and governmental institutions. Prerequisite: 201.

203. AMERICAN STATE AND LOCAL GOVERNMENT (3) . F;W;S.
A study of the organization, functions, and powers of state and local government in the United States.

303. POLITICAL PHILOSOPHY (3) . F.
A historical survey and philosophical analysis of political thought from the Greeks through the eighteenth century, with readings from representative writers. Offered 1964-65.

304. RECENT POLITICAL THOUGHT (3) . W.
A critical study of the principal political theories of the present day, including democracy, communism, fascism.

305. AMERICAN POLITICAL THOUGHT (3) . S.
A study of the main currents of political thought in the United States from colonial times to the present. Offered 1964-65.

309. AMERICAN POLITICAL PARTIES (3) . F.
A study of the nature, organization, administration, function of political parties, with consideration given to their role in democracy, pressure groups, problems of American suffrage, political campaigning. Offered 1963-64.

310. INTERNATIONAL RELATIONS (3) . W.
A survey of the problems in international relations, including power politics, techniques in settling international problems, federation and unification of nations.

311. COMPARATIVE GOVERNMENT AND POLITICS (3) . S.
A study of the parliamentary governments of Western Europe (Great Britain, France, Germany), with emphasis upon the similarities and differences with the government of the United States. Prerequisite: 201. Offered 1963-64.

312. SOVIET UNION (3) . W.
An analysis of the political and economic system of the Soviet Union and of Communism as a world movement; Soviet foreign policy before and after World War II. Offered 1963-64.

Senior-Graduate Courses

458. WORKSHOP IN INTERNATIONAL RELATIONS (3) . SS.
460. AMERICAN FOREIGN POLICY (3) . S.
A study of the political process by which contemporary foreign policy is made and executed. Offered 1963-64.

Graduate Courses

511. INTERNATIONAL ORGANIZATION AND LAW (3) . S.
A study of the structure and procedure of international organizations, such as the League of Nations, the United Nations, NATO, and other international alliances, with some consideration given to general theories and practices of international law by the major powers.

ANTHROPOLOGY AND SOCIOLOGY
ANTHROPOLOGY

210. GENERAL ANTHROPOLOGY (3) . F;W;S.
An introduction to the field of anthropology; a study of the major racial groups and their characteristics; archaeological evidence of cultural evolution and growth.
310. CULTURAL ANTHROPOLOGY (3) . F;W.
The nature of culture and society; a study of a variety of cultures on different developmental levels, including social, economic, political, educational, and religious systems and their interrelationships; a comparison of preliterate with contemporary societies.
410. PHYSICAL ANTHROPOLOGY (3) . S.
A study of the development of man; formation of races; racial differences; human genetics. Prerequisite: Anthropology 210 or 310.

SOCIOLOGY

- 201 [301]. GENERAL SOCIOLOGY (3) . F;W;S.
An introduction to the field of sociology. How society and its component parts are structured; analysis of the structure and function of social institutions and groups; relationship of the individual to society. Prerequisite to all sociology courses except 202 and 401.
202 [450]. SOCIAL PROBLEMS (3) . F;S.
Major problems of American society analyzed through the application of basic sociological principles and procedures, impact of social and technological change, analysis and evaluation of techniques utilized by society to alleviate social problems.
300. CRIMINOLOGY (3) . F.
The study of crime and delinquency as social phenomena. Nature and types of criminal behavior, theories of causation, control and prevention; methods of treatment.
303. RURAL SOCIOLOGY (3) . S.
The structure and functions of rural communities, institutions, social trends, rural-urban relationships, and social progress analyzed within the framework of social change. Offered 1964-65.

305. URBAN SOCIOLOGY (3). W.
Urbanism as a way of life. Growth and development of urban areas, urban social organization, change and problems; ecological patterning, urban planning and social controls. Offered 1963-64.
401. MARRIAGE AND FAMILY RELATIONS (3). F;W;S.
Analysis of dating and courtship patterns; marital relationships and problems of adjustment; changes in the nature of marriage and family relationships as a result of social and cultural change. Prerequisite: Senior standing.
402. RACE RELATIONS (3). W.
Analysis of intergroup relationships; the bases of conflict, accommodation and assimilation; the nature and consequences of prejudice and discrimination; evaluation of proposals for reduction or elimination of prejudice and discrimination. Prerequisite: Sociology 201 or 202.
405. POPULATION AND SOCIETY (3). F.
Systematic study of the growth and change of populations in relation to their cultural setting; trends in fertility, mortality, migration, composition and population policies; national and international implications of recent population growth trends. Offered 1964-65.

Senior-Graduate Courses

460. HISTORY OF SOCIAL THOUGHT (3). W.
The evolution of social thought in Western culture; analysis of the growth and development of early social theory. Prerequisite: Sociology 201 or early concepts of social organization and structure.

Graduate Courses

501. SOCIOLOGY OF THE FAMILY (3). S.
The origin and development of the family as a social institution; the contemporary family in various cultures; the relationship of the family to the economic, political, religious and educational institutions in American society.
510. SOCIAL STRUCTURE (3). F.
An analysis of social stratification, its nature and function, caste, estates, classes, rank and prestige; community power structures; bureaucratic organization.

SPEECH

A major in Speech must complete a minimum of 51 quarter hours in speech and related courses above General Education requirements. These will include Speech 205, 206, 207, 303, 304, 305, 306, 308, 401, 402, and six additional hours in speech correction or other areas; Art 104; English 304, 307 or 401, 452, 453.

A major in speech is required to take the Option Examination of the National Teacher Examination in speech or related area.

010. SPEECH IMPROVEMENT (0). F;W;S.
Basic instruction and drill in the production of normal speech. Required of students as indicated by speech test given by the Speech Clinic. One or two periods a week as assigned.

101. FUNDAMENTALS OF SPEECH (3) . F;W;S.
A study of the mechanics of voice production, including respiration, phonation, resonance, articulation, enunciation, pronunciation, using college level word lists. Prerequisite to all speech courses.
- 205 [302]. ARGUMENTATION AND DEBATE (3) . F.
A study of the principles of argumentation and debate, including analysis, briefing, evidence, reasoning, and refutation; class debating on vital questions.
206. INTERPRETIVE READING (3) . F;S.
Oral interpretation of literature including the ballad, lyric and narrative poetry, the article and short story; reviewing plays and novels; story telling; readings from Shakespeare and the Bible.
- 207 [301]. PUBLIC SPEAKING (3) . F;W;S.
The principles of effective public speaking; preparation and presentation of different types of speeches.
303. FUNDAMENTALS OF ACTING (3) . F.
Study of breath and body control, pantomime, and the psychological and interpretive approach of the actor; studio production of scenes from plays.
304. PHONETICS (3) . S.
The phonetic basis of English speech sound, using the International Phonetic Alphabet; regional dialects and standards of pronunciation.
305. INTRODUCTION TO SPEECH CORRECTION (3) . W.
Normal speech development; a survey of speech problems with some attention to speech therapy.
306. INTRODUCTION TO BROADCASTING (3) . W.
Radio and television broadcast procedures; program types and standards; laboratory practice in radio speaking.
308. DISCUSSION AND PARLIAMENTARY PROCEDURE (3) . F.
Special forms of communication, including techniques of group discussion, the panel, the forum, technical reports; a study of parliamentary procedure.
310. HISTORY OF THE THEATRE (3) . W.
A study of the theatre as an institution; its practice, techniques, and relation to dramatic literature from the Greeks to the present. Representative plays will be analyzed in relation to the theatre.
401. PLAY PRODUCTION (3) . W.
A study of the processes—scenery, lighting, costuming, make-up—involved in mounting typical plays on a small stage for educational theatre; lecture and laboratory; the current College Theatre production used as a demonstration and workshop.
402. PLAY DIRECTING (3) . S.
Analysis of scripts; actor coaching; types of control available to the director; application of theory to the direction of several scenes. Lecture and laboratory.
410. SPEECH PATHOLOGY (3) . F.
Etiology and therapy involved in principal pathologies of speech including organic and functional disorders; stuttering; speech of the acoustically handicapped. Prerequisite: 305.

411. AUDIOLOGY AND AUDIOMETRY (3) . W.
History of audiometry; anatomy and physiology of the ear; administration and interpretation of group and pure tone hearing tests. Lecture and laboratory.
412. CLINICAL METHODS IN SPEECH CORRECTION (3) . S.
Observation, supervised planning and practice in therapy for children with minor speech deficiencies. Prerequisite: permission of instructor.
415. RADIO AND TELEVISION PROGRAM PRODUCTION (3) . S.
Types of programs; practice in casting and producing radio and television programs; use of music, sound effects. Prerequisite: 306.
418. TEACHING THE FUNDAMENTALS OF SPEECH (3) . S.
Same as Education 418.
455. PUBLIC ADDRESS (3) . SS.
An analysis of selected model speeches; study of motivation, logic, audience reaction, effective method of presentation; practice in application of principles.

SUMMARY OF ENROLLMENT, 1962-1963

Summer Session, 1962

First term	2306
Second term	2140
Total number enrolled	4446

Fall Quarter

Freshmen	924
Sophomores	700
Juniors	585
Seniors	528
Special	22
Graduates	316
Extension	346
Total number enrolled	3447

Winter Quarter

Freshmen	876
Sophomores	627
Juniors	510
Seniors	558
Special	6
Graduates	92
Extension	422
Total number enrolled	3091

Spring Quarter

Freshmen	800
Sophomores	477
Juniors	528
Seniors	593
Special	17
Graduates	385
Extension	294
Total number enrolled	3094
Total number enrolled during the year	4260

Degrees Conferred

	June, 1962	August, 1962
Bachelor of Science	348	125
Master of Arts	51	171
Total number of degrees conferred	399	296

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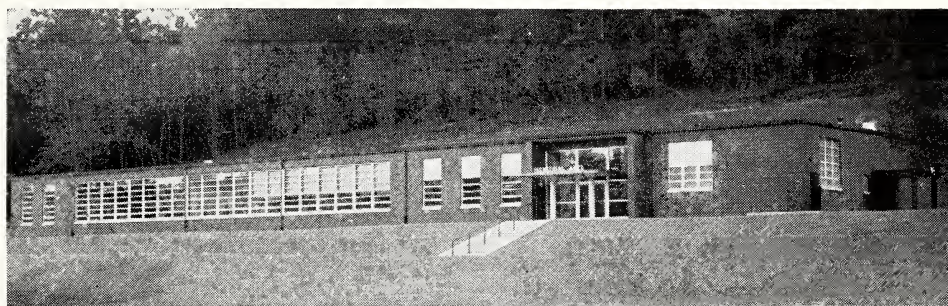
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HEALTH AND PHYSICAL EDUCATION BUILDING



INDUSTRIAL ARTS BUILDING

FINE ARTS BUILDING





REGISTRATION SCHEDULES

1963-1964

FALL QUARTER

8:30 to 9:30	T through Z
9:30 to 10:30	O through S
10:30 to 11:30	L through N
1:00 to 2:00	CI through Greene
2:00 to 3:00	A through Ch
3:00 to 4:00	Greer through K
4:00 to 5:00	Late arrivals and special cases

WINTER QUARTER

8:30 to 9:30	O through S
9:30 to 10:30	L through N
10:30 to 11:30	CI through Greene
1:00 to 2:00	A through Ch
2:00 to 3:00	Greer through K
3:00 to 4:00	T through Z
4:00 to 5:00	Late arrivals and special cases

SPRING QUARTER

8:30 to 9:30	L through N
9:30 to 10:30	CI through Greene
10:30 to 11:30	A through Ch
1:00 to 2:00	Greer through K
2:00 to 3:00	T through Z
3:00 to 4:00	O through S
4:00 to 5:00	Late arrivals and special cases

◀ FACULTY

◀ STUDENT LIFE

◀ ADMISSIONS

◀ EXPENSES

◀ ACADEMIC REQUIREMENTS AND REGULATIONS

◀ GRADUATE STUDIES

◀ PROGRAMS OF INSTRUCTION

◀ COURSES OF INSTRUCTION

◀ ART

◀ BIOLOGY

◀ BUSINESS EDUCATION

◀ CHEMISTRY AND PHYSICS

◀ EDUCATION AND PSYCHOLOGY

◀ ENGLISH

◀ FOREIGN LANGUAGES

◀ HEALTH AND PHYSICAL EDUCATION

◀ HOME ECONOMICS

◀ INDUSTRIAL ARTS

◀ LIBRARY SCIENCE

◀ MATHEMATICS

◀ MUSIC

◀ SOCIAL SCIENCE

◀ SPEECH
